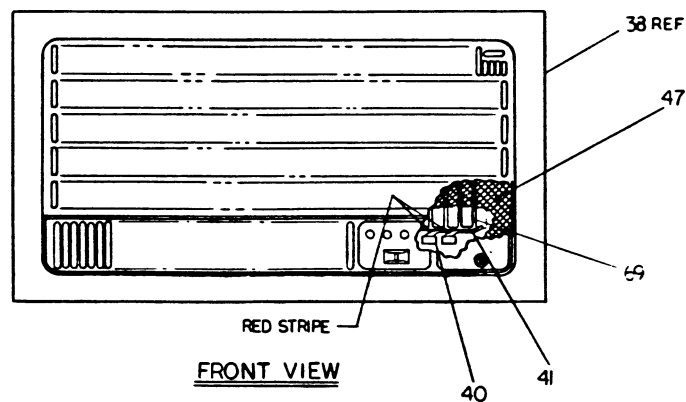
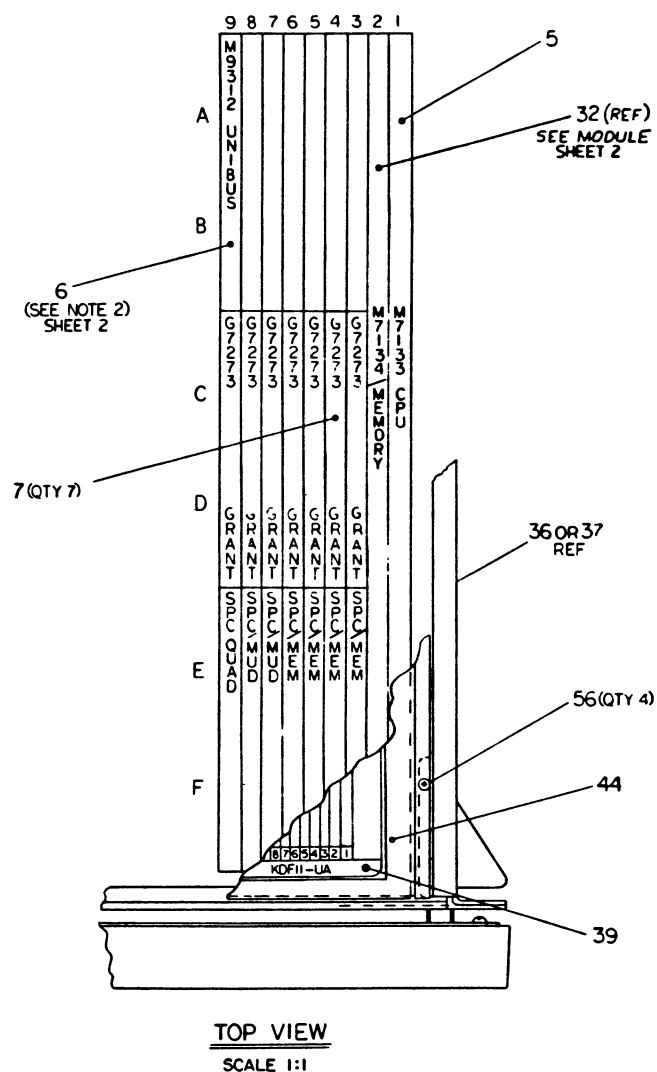
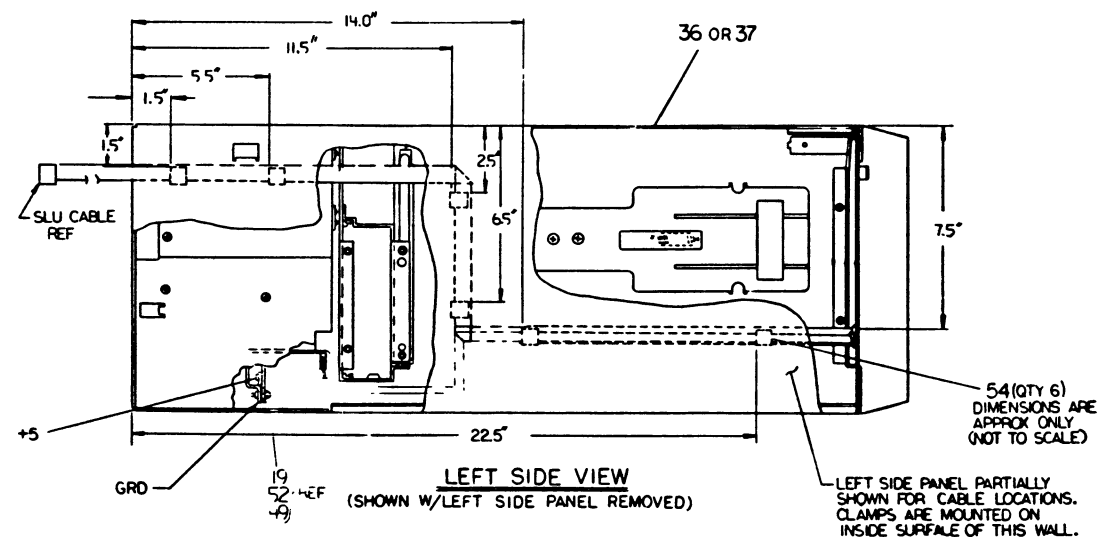
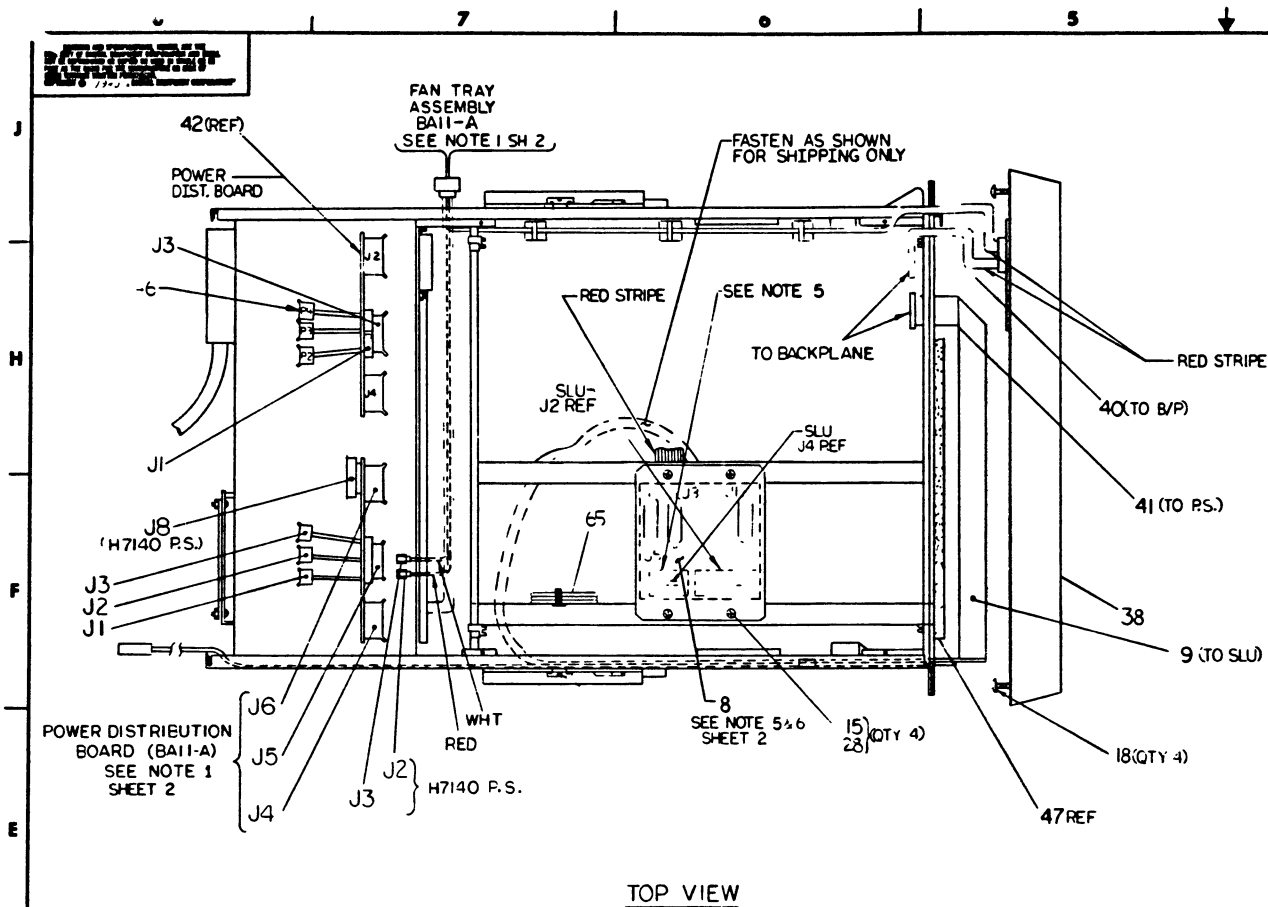


BLANK



- NOTES:
- FAN POWER HARNESS, POWER DIST. BOARD, AND FAN TRAY ASSY ARE FROM E-UA-BA11-A AND E-AD-7016391-0-0 AND ARE LISTED AND SHOWN HERE AS PART OF THE SYSTEM INTERCONNECT FOR CLARITY.
 - CPU ROM (ITEM 11) TO BE INSERTED INTO SOCKET E20 ON M9312 MODULE.
 - THE SLU CONN ASSY MUST BE REMOVED FROM UNIT ASSY BEFORE INSTALLING UNIT ASSY INTO CABINET. THE SLU ASSY IS THEN MOUNTED TO A REAR LOWER SECTION OF CABINET FRAME. PAINT MUST BE REMOVED FROM MTG RAIL IF PRE-PAINTED TO ASSURE GROUNDING. APPLY A COATING OF CONDUCTIVE GREASE (DEC PN 4901173) TO THIS SURFACE. MOUNT USING SAME HARDWARE USED FOR SHIPPING. DISCARD SHIPPING RAILS.
 - ONE BC22A NULL MODEM ITEM 26 CABLE IS SUPPLIED WITH THIS ASSY.
 - ONE H3270 TEST CONNECTION (ITEM 34) IS SUPPLIED WITH THIS ASSY IN J4 OF SLU UNIT (ITEM 8) FOR TEST ONLY.
 - IF ANOTHER BACKPLANE (OPTIONAL) IS SHIPPED WITH THIS ASSY, THE SLU ASSY (ITEM 3) MUST BE SHIPPED SEPARATELY IN THE AUXILIARY SHIP KIT.

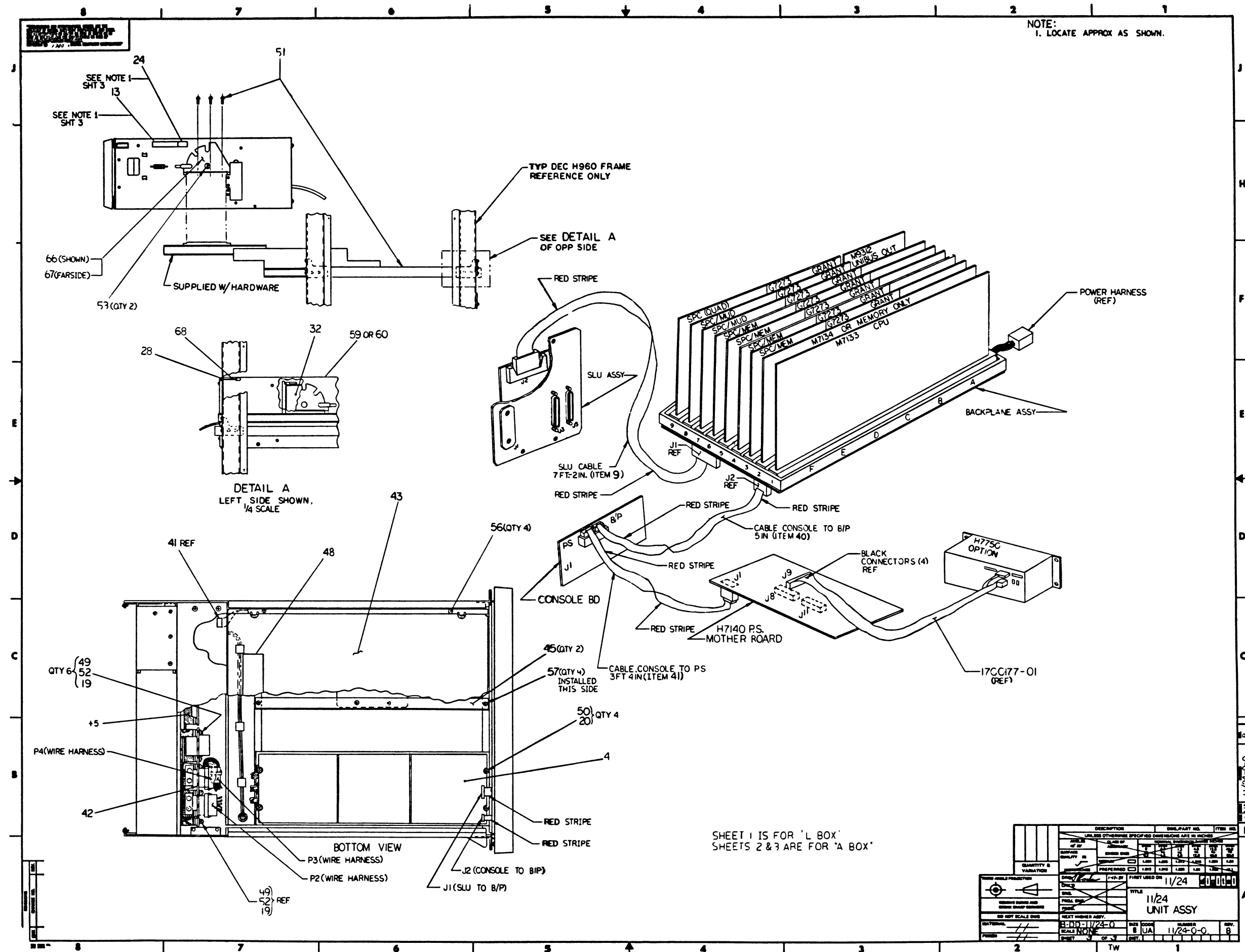
- MODULE NOTES:
- SLOTS 3 THRU 6 ARE DEFINED AS MEMORY OR SPC (HEX/QUAD) SLOTS.
 - SLOTS 7 AND 8 ARE DEFINED AS SPC/MUD (HEX/QUAD) AND ARE CONFIGURED FOR DMA OPTION. ANY NON-DMA MODULE INSTALLED IN THESE POSITIONS MUST PROVIDE JUMPER BETWEEN PINS CA1 & CBI.
 - SLOT 9, C THRU F, IS DEFINED AS SPC QUAD.
 - G7273 GRANT CARD MUST BE INSTALLED IN ALL UNUSED C-D SLOTS (3 THRU 9).
 - MS111 MEMORY MAY BE INSTALLED IN SLOT 2, 3, 4, 5, OR 6.

FOR INTERCONNECT DIAGRAM
SEE C-IC-11/24-0-5

OFF SHEET PARTS LIST EXIST
SEE K-PL-11/24-0-D8P

DESCRIPTION		QTY	UNIT NO.	ITEM NO.
1	UNIBUS	1	11/24	1
2	BC22A NULL MODEM	1	11/24	2
3	H3270 TEST CONNECTION	1	11/24	3
4	BC22A NULL MODEM	1	11/24	4
5	H3270 TEST CONNECTION	1	11/24	5
6	BC22A NULL MODEM	1	11/24	6
7	H3270 TEST CONNECTION	1	11/24	7
8	BC22A NULL MODEM	1	11/24	8
9	H3270 TEST CONNECTION	1	11/24	9
10	BC22A NULL MODEM	1	11/24	10
11	H3270 TEST CONNECTION	1	11/24	11
12	BC22A NULL MODEM	1	11/24	12
13	H3270 TEST CONNECTION	1	11/24	13
14	BC22A NULL MODEM	1	11/24	14
15	H3270 TEST CONNECTION	1	11/24	15
16	BC22A NULL MODEM	1	11/24	16
17	H3270 TEST CONNECTION	1	11/24	17
18	BC22A NULL MODEM	1	11/24	18
19	H3270 TEST CONNECTION	1	11/24	19
20	BC22A NULL MODEM	1	11/24	20
21	H3270 TEST CONNECTION	1	11/24	21
22	BC22A NULL MODEM	1	11/24	22
23	H3270 TEST CONNECTION	1	11/24	23
24	BC22A NULL MODEM	1	11/24	24
25	H3270 TEST CONNECTION	1	11/24	25
26	BC22A NULL MODEM	1	11/24	26
27	H3270 TEST CONNECTION	1	11/24	27
28	BC22A NULL MODEM	1	11/24	28
29	H3270 TEST CONNECTION	1	11/24	29
30	BC22A NULL MODEM	1	11/24	30
31	H3270 TEST CONNECTION	1	11/24	31
32	BC22A NULL MODEM	1	11/24	32
33	H3270 TEST CONNECTION	1	11/24	33
34	BC22A NULL MODEM	1	11/24	34
35	H3270 TEST CONNECTION	1	11/24	35
36	BC22A NULL MODEM	1	11/24	36
37	H3270 TEST CONNECTION	1	11/24	37
38	BC22A NULL MODEM	1	11/24	38
39	H3270 TEST CONNECTION	1	11/24	39
40	BC22A NULL MODEM	1	11/24	40
41	H3270 TEST CONNECTION	1	11/24	41
42	BC22A NULL MODEM	1	11/24	42
43	H3270 TEST CONNECTION	1	11/24	43
44	BC22A NULL MODEM	1	11/24	44
45	H3270 TEST CONNECTION	1	11/24	45
46	BC22A NULL MODEM	1	11/24	46
47	H3270 TEST CONNECTION	1	11/24	47
48	BC22A NULL MODEM	1	11/24	48
49	H3270 TEST CONNECTION	1	11/24	49
50	BC22A NULL MODEM	1	11/24	50
51	H3270 TEST CONNECTION	1	11/24	51
52	BC22A NULL MODEM	1	11/24	52
53	H3270 TEST CONNECTION	1	11/24	53
54	BC22A NULL MODEM	1	11/24	54
55	H3270 TEST CONNECTION	1	11/24	55
56	BC22A NULL MODEM	1	11/24	56
57	H3270 TEST CONNECTION	1	11/24	57
58	BC22A NULL MODEM	1	11/24	58
59	H3270 TEST CONNECTION	1	11/24	59
60	BC22A NULL MODEM	1	11/24	60
61	H3270 TEST CONNECTION	1	11/24	61
62	BC22A NULL MODEM	1	11/24	62
63	H3270 TEST CONNECTION	1	11/24	63
64	BC22A NULL MODEM	1	11/24	64
65	H3270 TEST CONNECTION	1	11/24	65
66	BC22A NULL MODEM	1	11/24	66
67	H3270 TEST CONNECTION	1	11/24	67
68	BC22A NULL MODEM	1	11/24	68
69	H3270 TEST CONNECTION	1	11/24	69
70	BC22A NULL MODEM	1	11/24	70
71	H3270 TEST CONNECTION	1	11/24	71
72	BC22A NULL MODEM	1	11/24	72
73	H3270 TEST CONNECTION	1	11/24	73
74	BC22A NULL MODEM	1	11/24	74
75	H3270 TEST CONNECTION	1	11/24	75
76	BC22A NULL MODEM	1	11/24	76
77	H3270 TEST CONNECTION	1	11/24	77
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83	H3270 TEST CONNECTION	1	11/24	83
84	BC22A NULL MODEM	1	11/24	84
85	H3270 TEST CONNECTION	1	11/24	85
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88	BC22A NULL MODEM	1	11/24	88
89	H3270 TEST CONNECTION	1	11/24	89
90	BC22A NULL MODEM	1	11/24	90
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92	BC22A NULL MODEM	1	11/24	92
93	H3270 TEST CONNECTION	1	11/24	93
94	BC22A NULL MODEM	1	11/24	94
95	H3270 TEST CONNECTION	1	11/24	95
96	BC22A NULL MODEM	1	11/24	96
97	H3270 TEST CONNECTION	1	11/24	97
98	BC22A NULL MODEM	1	11/24	98
99	H3270 TEST CONNECTION	1	11/24	99
100	BC22A NULL MODEM	1	11/24	100

SHEET 1 IS FOR "L-BOX"
SHEETS 2 & 3 ARE FOR "A-BOX"



SHEET A1 OF A2

REVISION HISTORY			BASIC PART NO: 11/24		DRN: MARK CARROLL		DATE: 23-APR-80		D I G I T A L			
ENG	ECO NUMBER	REV	SECTION A OF A		CHK'D: R.J.RILEY		DATE: 23-APR-80		TITLE		PARTS LIST	
---	INITIAL	*	SECTION. VARIATION INDEX		DATE: 23-APR-80		11/24 UNIT ASSEMBLY					
---	INITIAL	*	[A] XX,XY,AA,AB,AC,AD,									
BM	11/24-TW001	A	YX,YY,BC,BD		DES.ENG.: R. MORIN		DATE: 23-APR-80					
BM	11/24-TW001	A	[B]									
BB	11/24-TW002	B	[C]		RESP.ENG.: R.GRUDA		DATE: 23-APR-80		DOCUMENT NUMBER			
			[D]						SIZE CODE		NUMBER	REV
			[E]		MFG.ENG.: G. ABREU		DATE: 23-APR-80		K	PL	11/24-0-DBP	B
			[F]		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #	
					E-UA-11/24-0-0		B-DD-11/24-0-0		Z0699B.PLS		30	
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AUTOMATED BY PRTLST.3N(42)

PARTS LIST

SHEET A2 OF A2

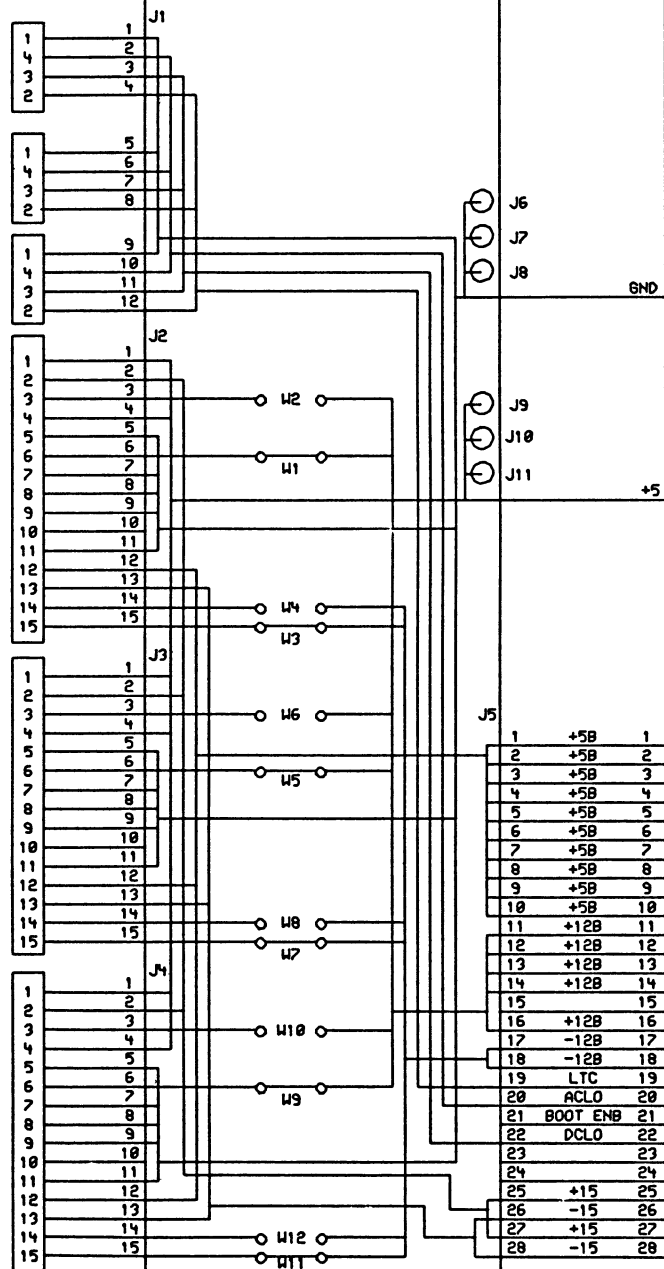
LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY		PER	VARIATION				YX	YY	BC	BD
					XX	XY		AA	AB	AC	AD				
31	32	D-UA-MS11-L-0	OMS11-LD	MS11-LD 128K 18 BIT MOS MEM W PA	0	0		0	0	1	1	0	0	1	1
32	33	A-PS-3618175-0-0	3618175-01	LABEL, MODULE UTIL.	1	1		0	0	0	0	0	0	0	0
33	34	C-UA-H3270-0-0	H3270-00	TEST CONNECTOR	1	1		0	0	0	0	1	1	0	0
34	35	BLANK		*** THIS ITEM IS NOT USED ***	-	-		-	-	-	-	-	-	-	-
35	36	E-UA-BA11-A-0	OBA11-AA	10.5"BOX,H7140-AA PS,120V LINE C	0	0		0	0	0	0	1	0	0	0
36	37	E-UA-BA11-A-0	OBA11-AB	10.5"BOX,H7140-AB PS,240V LINE C	0	0		0	0	0	0	0	1	0	0
37	38	E-AD-7016958-0-0	7016958-01	11/24 10.25 CONSOLE ASSY.	0	0		0	0	0	0	1	1	0	0
38	39	A-PS-3618176-0-0	3618176-01	LABEL, MODULE UTIL.	0	0		0	0	0	0	1	1	0	0
39	40	D-AD-7011411-0-0	7011411-0F	CABLE, CONSOLE BACKPLANE	0	0		0	0	0	0	1	1	0	0
40	41	D-AD-7011411-0-0	7011411-3D	CABLE, CONSOLE BACKPLANE	0	0		0	0	0	0	1	1	0	0
41	42	D-UA-5413815-0-0	5413815-00	POWER DIST. BOARD ASSY.	0	0		0	0	0	0	1	1	0	0
42	43	D-AD-7016479-0-0	7016479-00	BOTTOM COVER ASSY.	0	0		0	0	0	0	1	1	0	0
43	44	D-MD-7421614-0-0	7421614-00	TOP COVER	0	0		0	0	0	0	1	1	0	0
44	45	D-MD-7424842-0-0	7424842-00	RAIL, SLU, SHIPPING	0	0		0	0	0	0	2	2	0	0
45	46	D-IA-7016887-0-0	7016887-00	CABLE, JUMPER ASSY	0	0		0	0	0	0	1	1	0	0
46	47	A-PS-1216271-0-0	1216271-00	FILTER, FOAM 7.5 X 16.5	0	0		0	0	0	0	1	1	0	0
47	48	A-DC-3615087-0-0	3615087-02	LABEL, "DANGER-HIGH CURRENT"	0	0		0	0	0	0	1	1	0	0
48	49		9006039-01	SCREW, PAN, PHIL 8-32X 1/2 SS	0	0		0	0	0	0	6	6	0	0
49	50		9006043-03	SCREW, TRUS, PHIL 8-32X 1	0	0		0	0	0	0	4	4	0	0
50	51	E-PS-1216971-0-0	1216971-00	CHASSIS SLIDE FOR BA11-A	0	0		0	0	0	0	0	0	1	1
51	52		9006690-00	WASHER, LOCK, S.S. #8	0	0		0	0	0	0	6	6	0	0
52	53	B-PS-1216197-0-0	1216197-00	SCREW, PIVOT	0	0		0	0	0	0	0	0	2	2
53	54		9009636-00	CLAMP, CABLE, FOR FLAT CABLE	0	0		0	0	0	0	6	6	0	0
54	55	BLANK		*** THIS ITEM IS NOT USED ***	-	-		-	-	-	-	-	-	-	-
55	56		9009701-00	SCREW, PAN, PHIL, SEMS 6-32X .312L	0	0		0	0	0	0	8	8	0	0
56	57		9009545-00	SCREW, PAN, PHIL, SEMS 8-32X .25 L	REF	REF		0	0	0	0	4	4	0	0
57	58	BLANK		*** THIS ITEM IS NOT USED ***	-	-		-	-	-	-	-	-	-	-
58	59	E-UA-11/24-YX-0	11/24-YX	KDF11-UA, BA11-AA, M9312, 120V (NO	0	0		0	0	0	0	0	0	1	0
59	60	E-UA-11/24-YY-0	11/24-YY	KDF11-UA, BA11-AB, M9312, 240V (NO	0	0		0	0	0	0	0	0	0	1
60	61	BLANK		*** THIS ITEM IS NOT USED ***	-	-		-	-	-	-	-	-	-	-
61	62	A-SP-3700472-0-0	3700472-00	INSTR PKG COMPUTER(BA11-A)	0	0		0	0	0	0	1	1	0	0
62	63	BLANK		*** THIS ITEM IS NOT USED ***	-	-		-	-	-	-	-	-	-	-
63	64		1209856-02	CLIP, MODULE HOLDER W/O SEPARA	2	2		0	0	0	0	0	0	0	0
64	65		9007031-00	TIE, CABLE BUNDL DIA 0- 3/4"=101	1	1		0	0	0	0	0	0	0	0
65	66	D-MA-7421613-0-0	7421613-00	SLIDE INDEX PLATES	0	0		0	0	0	0	0	0	1	1
66	67	D-MD-7421316-0-1	7421613-01	SLIDE INDEX PLATE	0	0		0	0	0	0	0	0	1	1
67	68	C-MD-7413659-0-0	7413659-00	BRACKET SHIPPING	0	0		0	0	0	0	0	0	1	1
68	69		9007035-00	GROMMET #122-37-1500	0	0		0	0	0	0	0	0	0	0

D	I	G	I	T	A	L	TITLE	11/24 UNIT ASSEMBLY	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	11/24-0-D3P	B

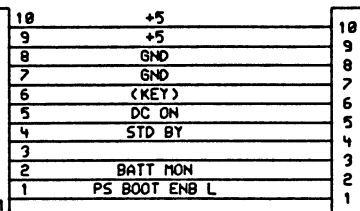
DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES:			
MADE BY A. ROCHA DATE 10-DEC-80		CHECKED <i>Rolando</i> DATE 15 JAN 81		SECTION		11/24-AA	11/24-AB	11/24-AC	11/24-AD	11/24-BC	11/24-BD							NEW DRAWING RELEASED AT REVISION B. REVISION A WAS A MISNUMBER AND HAS BEEN ASSIGNED A NEW DRAWING NUMBER.	
ENG <i>Rolando</i> DATE 15 JAN 81		PROD <i>J. J. J. J. J.</i> DATE 1-15-81		ISSUED SECTION														REF DESIGNATION	
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION																
1	E-UA-11/24-0-0	11/24-XX	BA11-LX,H777-UA P.S,W/O MEM,115V	1	-	1	-	-	-	-	-								
2	E-UA-11/24-0-0	11/24-XY	BA11-LY,H777-UB P.S.,W/O MEM,230V	-	1	-	1	-	-	-	-								
3	E-UA-11/24-0-0	11/24-YX	BA11-AA,H7140-AA P.S.,W/O MEM,115V	-	-	-	-	1	-	-	-								
4	E-UA-11/24-0-0	11/24-YY	BA11-AB,H7140-AB P.S.,W/O MEM,230V	-	-	-	-	-	1	-	-								
5	D-UA-MS11-L-0	MS11-LB	MS11-LB,64K 18 BIT MOS MEM	1	1	-	-	-	-	-	-								
6	D-UA-MS11-L-0	MS11-LD	MS11-LD, 128K 18 BIT MOS MEM	-	-	1	1	1	1	-	-								
7	B-PL-BC22A-0-0	BC22A-25	BC22A-10 EXCEPT 25 FT	1	1	1	1	1	1	-	-								
8	E-PS-1216971-0-0	1216971	CHASSIS SLIDE AND HDW KIT	-	-	-	-	1	1	-	-								
9	B-PL-11/24-0-3		11/24 SOFTWARE LIST	1	1	1	1	1	1	-	-								
10	A-PL-11/24-0-4		HARDWARE KIT LIST	1	1	1	1	-	-	-	-								
11	A-PS-3700061-0-0	3700061-00	PACK INSTRUCTIONS	1	1	1	1	-	-	-	-								
12	A-PS-3700197-0-0	3700197-00	PACK INSTRUCTIONS, INTER.	1	1	1	1	-	-	-	-								
13	A-SP-3700472-0-0	3700472-00	INSTR. PACK KIT	-	-	-	-	1	1	-	-								
15	C-MD-7413659-0-0	7413659-00	SHIPPING BRACKET	-	-	-	-	1	1	-	-								
16		9006565-00	NUT,KEP, 10-32 X 3/8 AF	-	-	-	-	1	1	-	-								
E.C.O. NO. 11/24-TW001 11/24-TW002																			
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								SHEET 1 OF 1				INSERTION PARTS LIST DATA BASE REV							

NOTE: J1, J2, J3, J4 OF BA11-A POWER DISTRIBUTION BD, (54-13632), AND J1 PINS 1-8 AND J2 OF 11/24 POWER DISTRIBUTION BD, (54-13815), TO BE USED FOR EXPANSION.

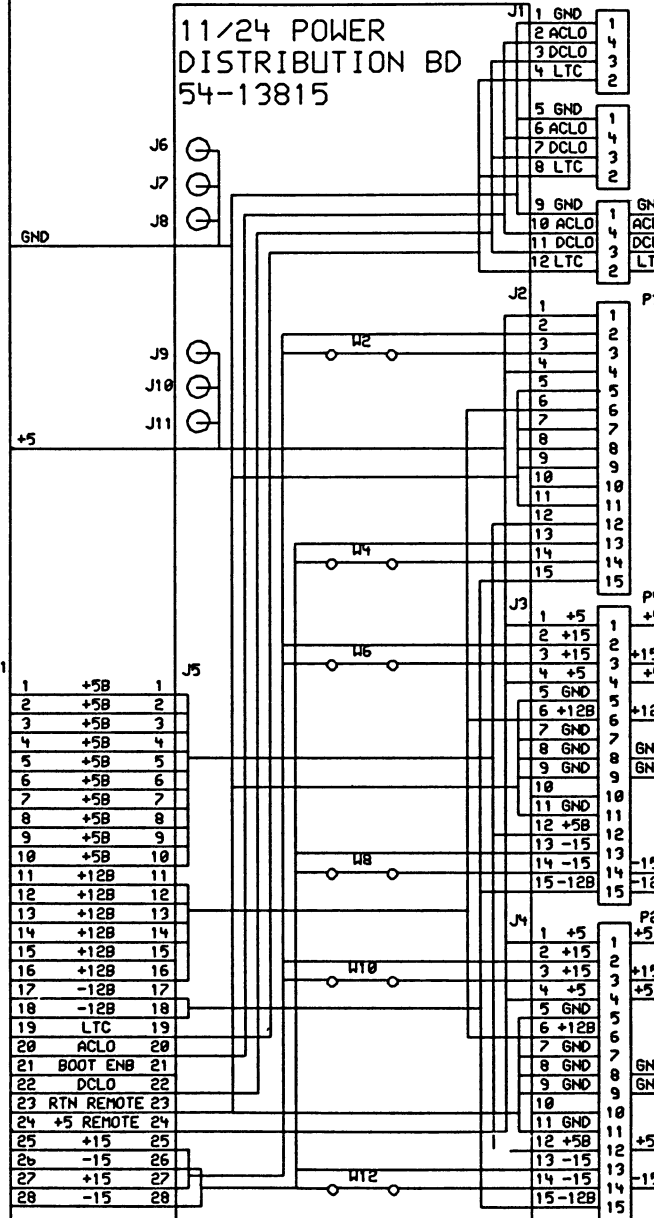
BA11-A POWER DISTRIBUTION BD 54-13632



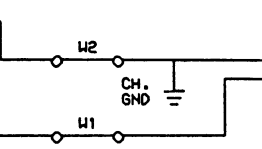
POWER SUPPLY H7140 MOTHER BOARD 54-13615



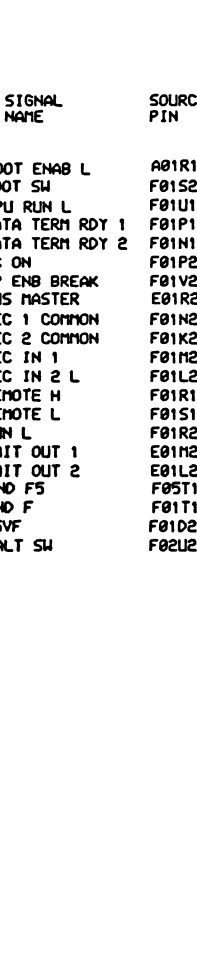
11/24 POWER DISTRIBUTION BD 54-13815



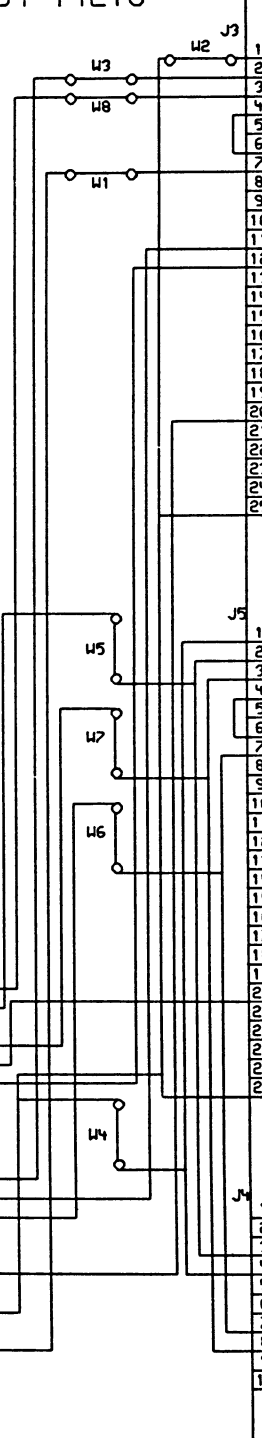
CONSOLE MODULE 54-14441



BACKPLANE 54-13817



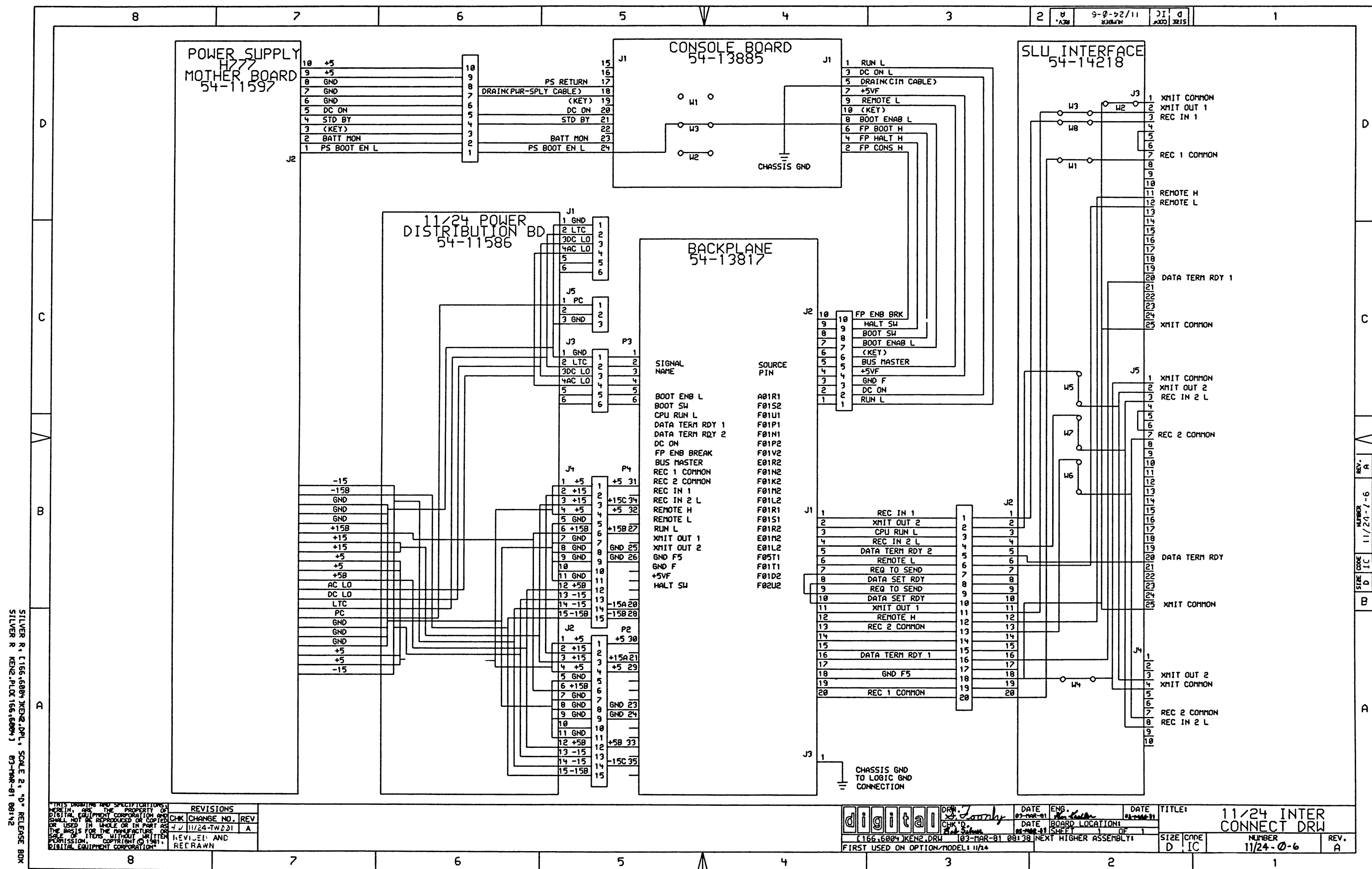
SLU INTERFACE 54-14218



REVISIONS	CHK	CHANGE NO.	REV
1	11/24-TW:01	A	
2	11/24-TW:01	A	
3	11/24-TW:01	A	
4	11/24-TW:01	A	
5	11/24-TW:01	A	
6	11/24-TW:01	A	
7	11/24-TW:01	A	
8	11/24-TW:01	A	
9	11/24-TW:01	A	
10	11/24-TW:01	A	
11	11/24-TW:01	A	
12	11/24-TW:01	A	
13	11/24-TW:01	A	
14	11/24-TW:01	A	
15	11/24-TW:01	A	

DATE	ENG	DATE	TITLE
11-11-81	11-11-81	11-11-81	11/24 INTER-CONNECT DRW
11-11-81	11-11-81	11-11-81	11/24 INTER-CONNECT DRW
11-11-81	11-11-81	11-11-81	11/24 INTER-CONNECT DRW
11-11-81	11-11-81	11-11-81	11/24 INTER-CONNECT DRW
11-11-81	11-11-81	11-11-81	11/24 INTER-CONNECT DRW
11-11-81	11-11-81	11-11-81	11/24 INTER-CONNECT DRW
11-11-81	11-11-81	11-11-81	11/24 INTER-CONNECT DRW
11-11-81	11-11-81	11-11-81	11/24 INTER-CONNECT DRW
11-11-81	11-11-81	11-11-81	11/24 INTER-CONNECT DRW

SILVER R, C166, 6004 INELKEN, DRW, SCALE 2, "D" RELEASE BOX
SILVER R, INELKEN, PLOT 166, 6004, 01-MAR-81 08156



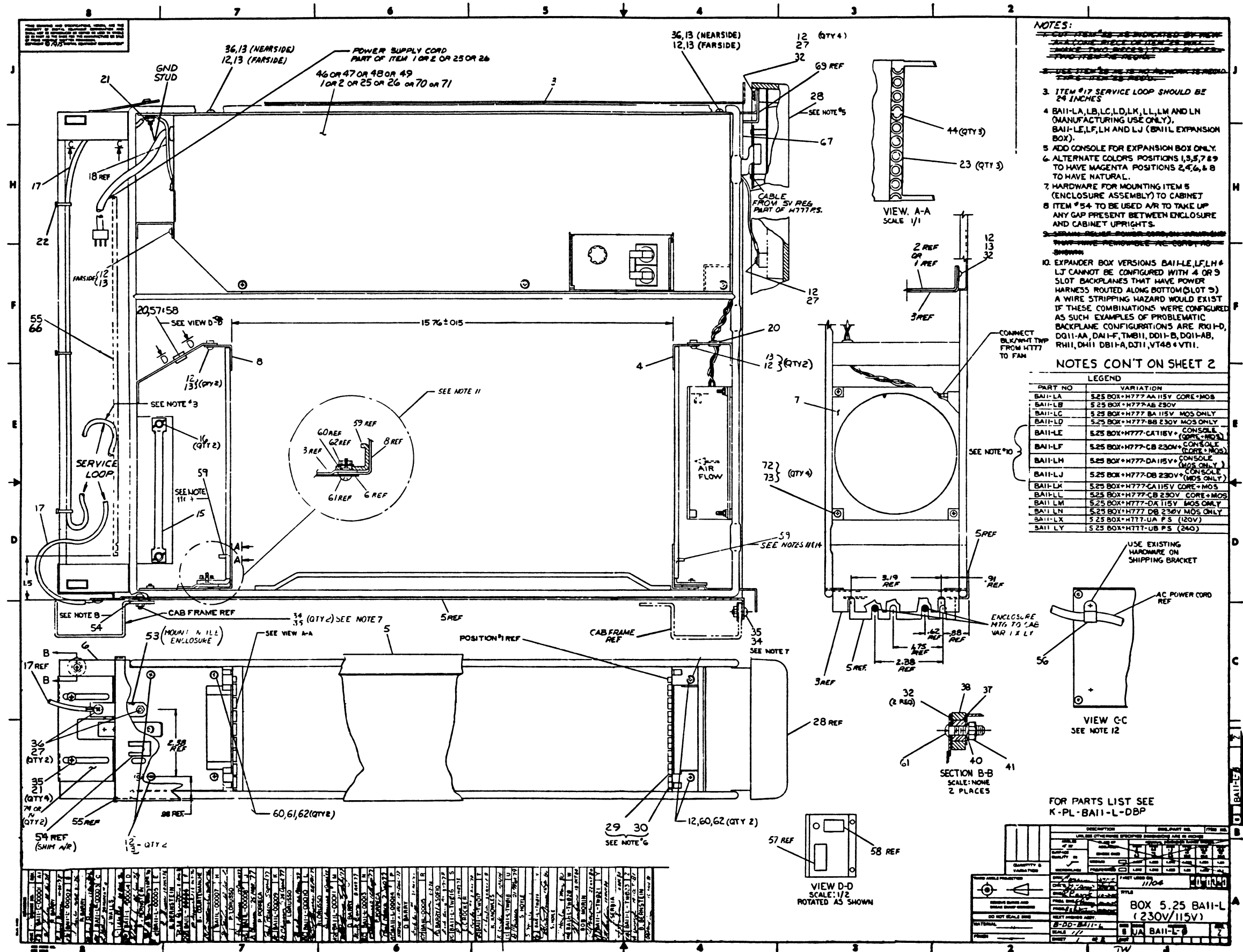
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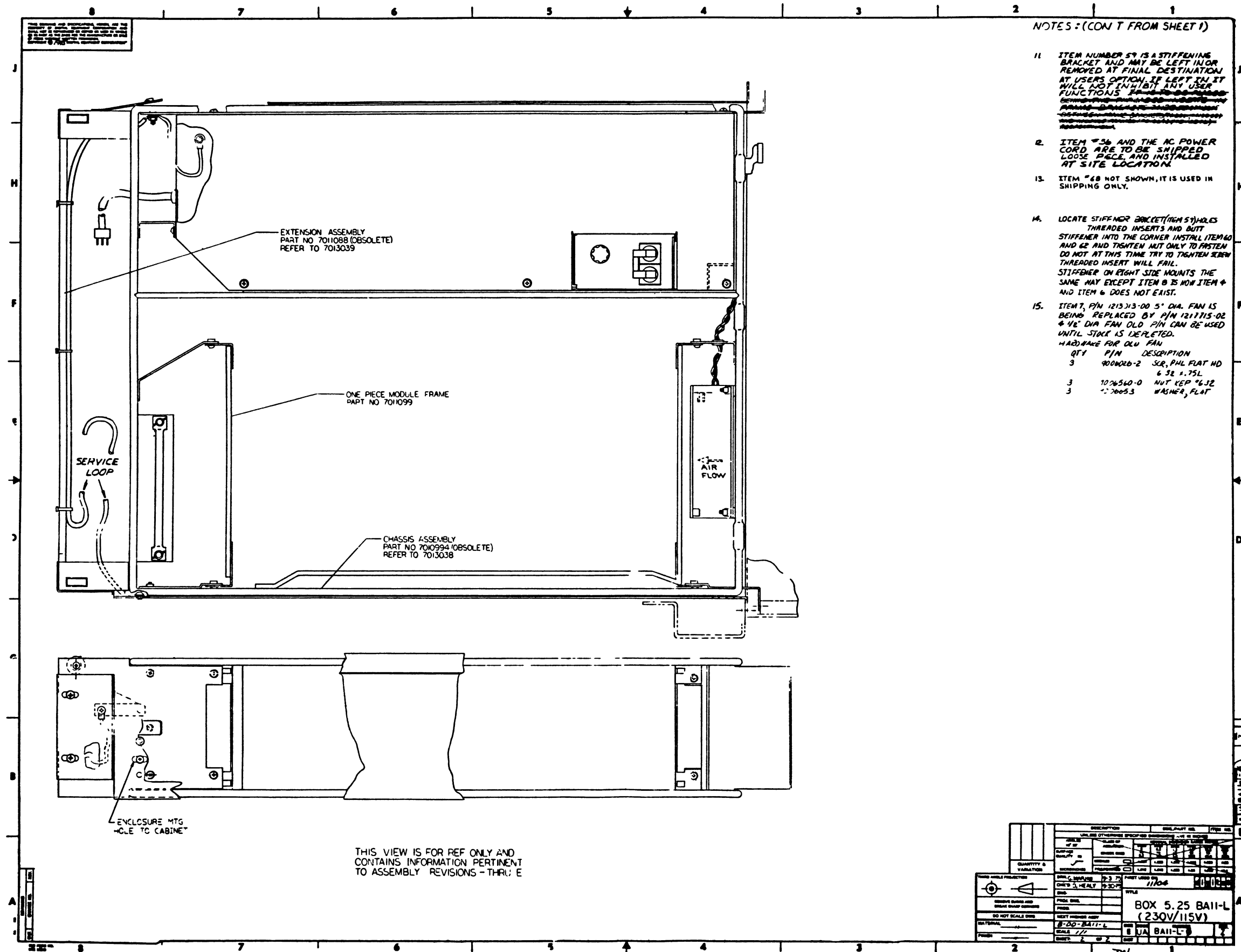
FIELD MAINT. PRINT SET Ball-L	B-TC-Ball-L-1
BOX 5.25 Ball-L	E-UA-Ball-L-0
BOX 5.25 Ball-L(PARTS LIST)	A-PL-Ball-L-0
PRINT SET H777-B	MP 00016
CONSOLE ASSY. EXPANSION BOX	D-AD-7012540-O-O
INSTALLATION AID	E-AD-7012588-O-O
DRAWING DIRECTORY Ball-L	B-DD-Ball-L
SHIPPING LIST	A-PL-Ball-L-4
PRINT SET H777-VOL 2	MP 00309

PRINT SET ORDER NO.
MP00018

EN-01124-16-M678-(327)

BLANK





LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION											
					LA	LB	LC	LD	LE	LF	LH	LJ	LK	LL	LM	LN
1	1	E-UA-H777-DA-0	0H777-DA	H777-BA EXCEPT +5V 32A,120V	0	0	0	0	0	0	1	0	0	0	1	0
2	2	E-UA-H777-DB-0	0H777-DB	H777-BB EXCEPT +5V 32A,240V	0	0	0	0	0	0	0	1	0	0	0	1
3	3	E-IA-7013038-0-0	7013038-00	CHASSIS ASSY	1	1	1	1	1	1	1	1	1	1	1	1
4	4	C-IA-7012653-0-0	7012653-00	RIGHT SIDE MODULE FRAME	1	1	1	1	1	1	1	1	1	1	1	1
5	5	D-AD-7011132-0-0	7011132-00	ENCLOSURE ASSY	1	1	1	1	1	1	1	1	1	1	1	1
6	6	D-IA-7013039-0-0	7013039-00	EXTENSION CHASSIS ASSY	1	1	1	1	1	1	1	1	1	1	1	1
7	7	SEE NOTE 15 (ON UA)	1217715-02	FAN, 7JBE AXIAL 110V 120CFM 4.5"	1	1	1	1	1	1	1	1	1	1	1	1
8	8	C-IA-7012846-0-0	7012846-00	LEFT SIDE MODULE FRAME	1	1	1	1	1	1	1	1	1	1	1	1
9	9	BLANK			0	0	0	0	0	0	0	0	0	0	0	0
10	10	BLANK			0	0	0	0	0	0	0	0	0	0	0	0
11	11	BLANK			0	0	0	0	0	0	0	0	0	0	0	0
12	12		9006037-03	SCREW,TRUS,PHIL, 8-32X 3/8	11	11	11	11	15	15	15	15	11	11	11	11
13	13		9006634-00	WASHER,LOCK,INT,.2300D X .172ID	14	14	14	14	14	14	14	14	14	14	14	14
14	14	BLANK			0	0	0	0	0	0	0	0	0	0	0	0
15	15	B-MD-7413846-0-0	7413846-00	BAR CABLE STRAIN RELIEF	1	1	1	1	1	1	1	1	1	1	1	1
16	16		9009711-00	NUT,WING 6-32X 1/2 AF X 7	2	2	2	2	2	2	2	2	2	2	2	2
17	17	C-IA-7011412-0-0	7011412-03	CHASSIS GND CABLE [BA11-L]	1	1	1	1	1	1	1	1	1	1	1	1
18	18	C-IA-7011412-0-0	7011412-0F	CHASSIS GND CABLE [BA11-L]	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF
19	19	C-MD-7414963-0-0	7414963-00	BRKT SHIPPING & CAB MTG	2	2	2	2	2	2	2	2	2	2	2	2
20	20		9007015-00	GROMMET, RUBBER	2	2	2	2	2	2	2	2	2	2	2	2
21	21		9006565-00	NUT,KEP 10-32X 3/8 AF	7	7	7	7	7	7	7	7	7	7	7	7
22	22		9007031-00	TIE,CABLE BUNDL.DIA 0- 3/4"=101	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
23	23		1211630-00	CARD GUIDE	3	3	3	3	3	3	3	3	3	3	3	3
24	24	BLANK			0	0	0	0	0	0	0	0	0	0	0	0
25	25	E-UA-H777-CA-0	0H777-CA	H777-AA EXCEPT +5V 32A,120V	0	0	0	0	0	0	0	0	0	0	0	0
26	26	E-UA-H777-CB-0	0H777-CB	H777-AB EXCEPT +5V 32A,240V	0	0	0	0	0	0	0	0	0	0	0	0
27	27		9008072-00	WASHER, LOCK, EXTERNAL TOOTH #8	3	3	3	3	7	7	7	7	3	3	3	3
28	28	D-AD-7012540-0-0	7012540-00	CONSOLE ASSY,EXPANDER BOX	0	0	0	0	1	1	1	1	0	0	0	0
29	29		1212405-04	CARD GUIDE,NYLON	4	4	4	4	4	4	4	4	4	4	4	4
30	30		1212405-05	CARD GUIDE,NYLON	5	5	5	5	5	5	5	5	5	5	5	5

REVISION HISTORY		BASIC PART NO: OBA11		DRN: G. MARINI		DATE: 3-SEP-75		D I G I T A L	
ENG	ECO NUMBER	REV	SECTION A OF B	CHK'D: D. HEALY		DATE: 30-SEP-75		TITLE PARTS LIST	
---	INITIAL	Z	SECTION. VARIATION INDEX					BOX 5.25 BA11-L (230V/115V)	
			[A] LA, LB, LC, LD, LE, LF, LH, LJ, LK, LL, LM, LN						
			[B] LX, LY	DES.ENG.: R. BARRY		DATE: 2-OCT-75			
			[C]	RESP.ENG.: R.K. PETERSON		DATE: 2-OCT-75		DOCUMENT NUMBER	
			[D]					SIZE CODE NUMBER REV	
			[E]	MFG.ENG.: R.K. PETERSON		DATE: 2-OCT-75		K PL BA11-L-DBP Z	
			[F]	ASSEMBLY NUMBER: E-UA-BA11-L-0		TOP DOCUMENT NUMBER:		FILE NAME: Z3025Z.PLS EDIT # 7	
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AUTOMATED BY PRTLST.3P(44)			P A R T S L I S T				SHEET A2 OF A2											
LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION		QUANTITY PER VARIATION												
						LA	LB	LC	LD	LE	LF	LH	LJ	LK	LL	LM	LN	
31	31	BLANK				0	0	0	0	0	0	0	0	0	0	0	0	
32	32		9006666-00	WASHER, FLAT, .500 OD X .187 ID		0	0	0	0	0	0	0	0	0	0	0	0	
33	33	BLANK				0	0	0	0	0	0	0	0	0	0	0	0	
34	34		9007786-00	RETAINER, U-NUT, 10-32		0	0	0	0	0	0	0	0	0	0	0	0	
35	35		9006071-03	SCREW, TRUS, PHIL, 10-32X 3/8		10	10	10	10	10	10	10	10	10	10	10	10	
36	36		9006035-03	SCREW, TRUS, PHIL, 8-32X 1/4		0	0	0	0	0	0	0	0	0	0	0	0	
37	37	B-MD-7417606-0-0	7417606-00	SLEEVE ROLLER		0	0	0	0	0	0	0	0	0	0	0	0	
38	38	B-MD-7417607-0-0	7417607-00	ROLLER		0	0	0	0	0	0	0	0	0	0	0	0	
39	39	BLANK				0	0	0	0	0	0	0	0	0	0	0	0	
40	40		9006690-00	WASHER, LOCK, S.S. #8		0	0	0	0	0	0	0	0	0	0	0	0	
41	41		9006561-00	NUT HEX 8-32 X5/16AF X 7		0	0	0	0	0	0	0	0	0	0	0	0	
42	42		3700061-00	INSTR PKG COMPUTER 11/05 OLD STY		0	0	0	0	0	0	0	0	0	0	0	0	
43	43		3700133-00	INSTR PKG COMPUTER INPLANT 1105		0	0	0	0	0	0	0	0	0	0	0	0	
44	44	C-MD-7418077-0-0	7418077-00	3 POSITION CARD GUIDE		0	0	0	0	0	0	0	0	0	0	0	0	
45	45	BLANK				0	0	0	0	0	0	0	0	0	0	0	0	
46	46	E-UA-H777-BA-0	0H777-BA	11/04 POWER SUPPLY, MOS ONLY, NO +		0	0	0	0	0	0	0	0	0	0	0	0	
47	47	E-UA-H777-BB-0	0H777-BB	11/04 POWER SUPPLY, MOS ONLY, NO +		0	0	0	0	0	0	0	0	0	0	0	0	
48	48	E-UA-H777-AA-0	0H777-AA	BA11-L POWER SUPPLY, +5V 25A, +20V		0	0	0	0	0	0	0	0	0	0	0	0	
49	49	E-UA-H777-AB-0	0H777-AB	240V H777-AA		0	0	0	0	0	0	0	0	0	0	0	0	
50	50	BLANK				0	0	0	0	0	0	0	0	0	0	0	0	
51	51	BLANK				0	0	0	0	0	0	0	0	0	0	0	0	
52	52	BLANK				0	0	0	0	0	0	0	0	0	0	0	0	
53	53	B-IA-7418258-0-0	7418258-00	GROUND STRAP		A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	
54	54	B-MD-7418259-0-0	7418259-00	SPACER INCLOSURE		A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	
55	55		9007035-00	GROMMET #122-37-1500		A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	
56	56		9007083-00	CLAMP, CABLE, SCREW MTD. 3/8 "		0	0	0	0	0	0	0	0	0	0	0	0	
57	57	A-PS-3613211-0-0	3613211-01	DECAL, CLEAR PREPRINTED CSA 1-1/4		0	0	0	0	0	0	0	0	0	0	0	0	
58	58	A-DC-7416197-0-0	7416197-01	DECAL		0	0	0	0	0	0	0	0	0	0	0	0	
59	59	C-MD-7419019-0-0	7419019-00	BRACKET, MODULE FRAME STIFFENING		0	0	0	0	0	0	0	0	0	0	0	0	
60	60		9006668-00	WASHER, FLAT 5/8 ODX 13/64IDX.032		2	2	2	2	2	2	2	2	2	2	2	2	
61	61		9006040-03	SCREW, TRUS, PHIL, 8-32X 5/8		4	4	4	4	4	4	4	4	4	4	4	4	
62	62		9006563-00	NUT, KEP 8-32X 11/13AF		4	4	4	4	4	4	4	4	4	4	4	4	
63	63	BLANK				0	0	0	0	0	0	0	0	0	0	0	0	
64	64	BLANK				0	0	0	0	0	0	0	0	0	0	0	0	
65	65	BLANK				0	0	0	0	0	0	0	0	0	0	0	0	
66	66		9009157-00	ADH LIQ. RM. TEMP CURING COLORLESS		A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	
67	67		1212707-00	FILTER, AIR, FOAM, 30PPI, 16.75X4.5X		0	0	0	0	0	0	0	0	0	0	0	0	
68	68		9007032-00	TIE CABLE BUNDL DIA 0-1-3/4"=101		0	0	0	0	0	0	0	0	0	0	0	0	
69	69	C-MD-7414962-0-0	7414962-00	BRKT FILTER SUPPORT		0	0	0	0	REF	REF	REF	REF	0	0	0	0	
70	70	E-UA-H777-UA-0	0H777-UA	11/24 PS: +5V 32A, +15V 3A, -15V 3		0	0	0	0	0	0	0	0	0	0	0	0	
71	71	E-UA-H777-UB-0	0H777-UB	11/24 PS: +5V 32A, +15V 3A, -15V 3		0	0	0	0	0	0	0	0	0	0	0	0	
72	72		9006025-02	SCREW, FLAT, PHIL, 6-32X 5/8		4	4	4	4	4	4	4	4	4	4	4	4	
73	73		9009165-00	CLIP, FAN MOUNTING (12-05033 FAN		4	4	4	4	4	4	4	4	4	4	4	4	
74	74	C-MD-7425811-0-0	7425811-00	BRACKET, SHIPPING, 11/24		0	0	0	0	0	0	0	0	0	0	0	0	

D	I	G	I	T	A	L	TITLE	BOX 5.25 BA11-L (230V/115V)	SECTION A OF B	SIZE	CODE	DOCUMENT NUMBER	REV
									K	PL	BA11-L-DBP	Z	

SHEET B1 OF B2

QUANTITY PER VARIATION
LX LY

REVISION HISTORY			BASIC PART NO: OBA11		DRN: G. MARINI		DATE: 3-SEP-75		DIGITAL			
ENG	ECO NUMBER	REV	SECTION B OF B	CHK'D: D. HEALY		DATE: 30-SEP-75		TITLE		PARTS LIST		
---	INITIAL	Z	SECTION. VARIATION INDEX	[A] LA, LB, LC, LD, LE, LF, LH, LJ, LK, LL, LM, LN		DATE: 30-SEP-75		BOX 5.25 BA11-L (230V/115V)				
			[B] LX, LY	DES.ENG.: R. BARRY		DATE: 2-OCT-75						
			[C]	RESP.ENG.: R.K. PETERSON		DATE: 2-OCT-75		DOCUMENT NUMBER				
			[D]					SIZE	CODE	NUMBER	REV	
			[E]	MFG.ENG.: R.K. PETERSON		DATE: 2-OCT-75		K	PL	BA11-L-DBP		Z
			[F]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT		7
				E-UA-BA11-L-0				Z30252.PLS				

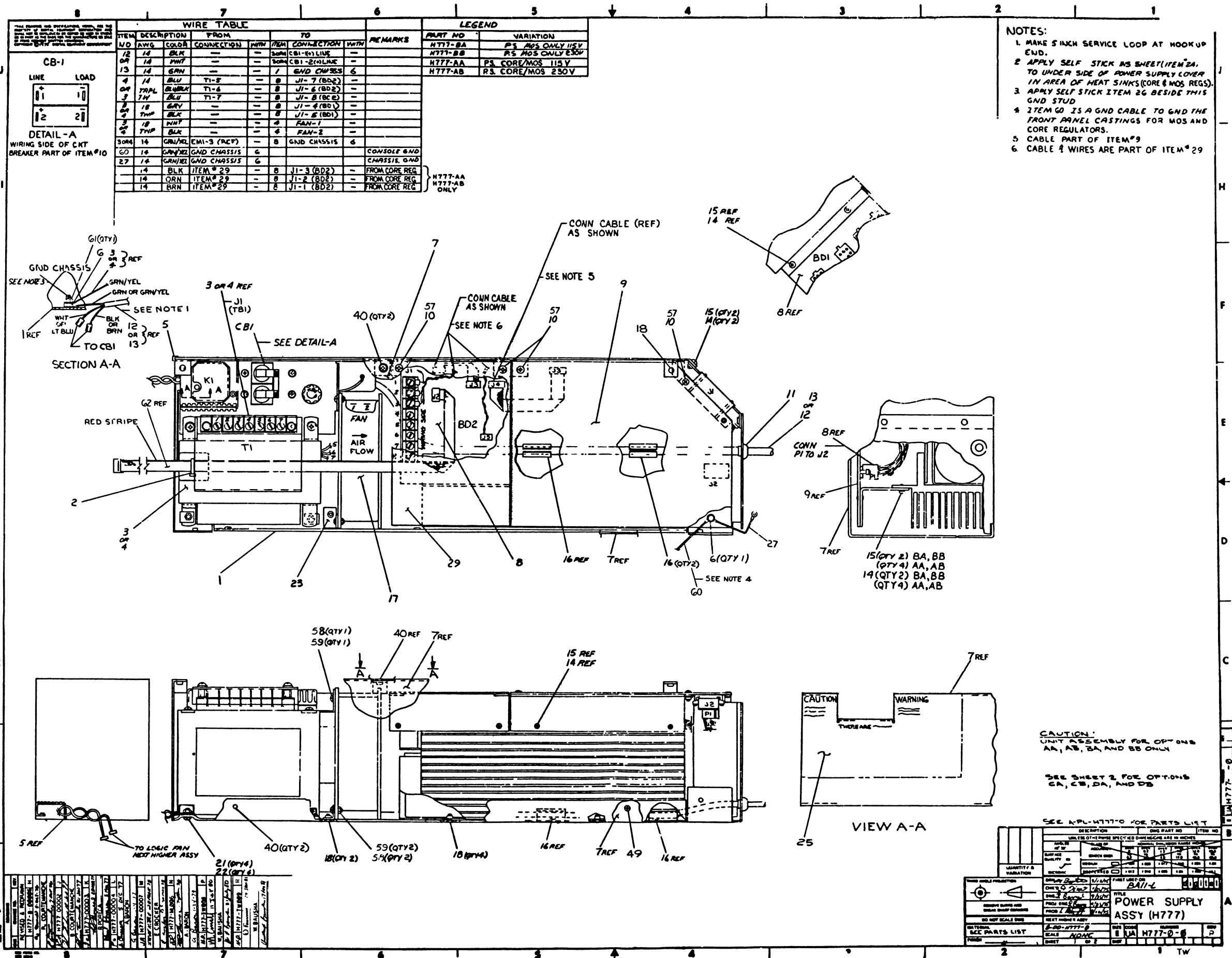
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LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION	
					LX	LY
31	31	BLANK			0	0
32	32		9006666-00	WASHER, FLAT, .500 OD X .187 ID	50	50
33	33	BLANK			0	0
34	34		9007786-00	RETAINER, U-NUT, 10-32	6	6
35	35		9006071-03	SCREW, TRUS, PHIL, 10-32X 3/8	10	10
36	36		9006035-03	SCREW, TRUS, PHIL, 8-32X 1/4	4	4
37	37	B-MD-7417606-0-0	7417606-00	SLEEVE ROLLER	2	2
38	38	B-MD-7417607-0-0	7417607-00	ROLLER	2	2
39	39	BLANK			0	0
40	40		9006690-00	WASHER, LOCK, S.S. #8	0	0
41	41		9006561-00	NUT, HEX, 8-32 X5/16AF X 7	2	2
42	42		3700061-00	INSTR PKG COMPUTER 11/05 OLD STY	0	0
43	43		3700133-00	INSTR PKG COMPUTER INPLANT 1105	0	0
44	44	C-MD-7418077-0-0	7418077-00	3 POSITION CARD GUIDE	3	3
45	45	BLANK			0	0
46	46	E-UA-H777-BA-0	GH777-BA	11/04 POWER SUPPLY, MOS ONLY, NO +	0	0
47	47	E-UA-H777-BB-0	GH777-BB	11/04 POWER SUPPLY, MOS ONLY, NO +	0	0
48	48	E-UA-H777-AA-0	GH777-AA	BA11-L POWER SUPPLY, +5V 25A, +20V	0	0
49	49	E-UA-H777-AB-0	GH777-AB	240V H777-AA	0	0
50	50	BLANK			0	0
51	51	BLANK			0	0
52	52	BLANK			0	0
53	53	B-IA-7418258-0-0	7418258-00	GROUND STRAP	1	1
54	54	B-MD-7418259-0-0	7418259-00	SPACER INCLOSURE	A/R	A/R
55	55		9007035-00	GROMMET #122-37-1500	A/R	A/R
56	56		9007083-00	CLAMP, CABLE, SCREW MTD. 3/8 "	1	1
57	57	A-PS-3613211-0-0	3613211-01	DECAL, CLEAR, PREPRINTED CSA 1-1/4	1	1
58	58	A-DC-7416197-0-0	7416197-01	DECAL	1	1
59	59	C-MD-7419019-0-0	7419019-00	BRACKET, MODULE FRAME STIFFENING	2	2
60	60		9006668-00	WASHER, FLAT 5/8 ODX 13/64IDX.032	4	4
61	61		9006040-03	SCREW, TRUS, PHIL, 8-32X 5/8	4	4
62	62		9006563-00	NUT, KEP 8-32X 11/13AF	4	4
63	63	BLANK			0	0
64	64	BLANK			0	0
65	65	BLANK			0	0
66	66		9009157-00	ADH. LIQ. RM. TEMP CURING COLORLESS	A/R	A/R
67	67		1212707-00	FILTER, AIR, FOAM, 30PPI, 16.75X4.5X	0	0
68	68		9007032-00	TIE CABLE BUNDL DIA 0-1-3/4"=101	0	0
69	69	C-MD-7414962-0-0	7414962-00	BRKT FILTER SUPPORT	0	0
70	70	E-UA-H777-UA-0	GH777-UA	11/24 PS: +5V 32A, +15V 3A, -15V 3	1	1
71	71	E-UA-H777-UB-0	GH777-UB	11/24 PS: +5V 32A, +15V 3A, -15V 3	0	0
72	72		9006025-02	SCREW, FLAT, PHIL, 6-32X 5/8	4	4
73	73		9009165-00	CLIP, FAN MOUNTING (12-05033 FAN	4	4
74	74	C-MD-7425811-0-0	7425811-00	BRACKET, SHIPPING, 11/24	2	2

D	I	G	I	T	A	L	TITLE	BOX 5.25 BA11-L (230V/115V)	SECTION B OF B	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	BA11-L-DBP	Z

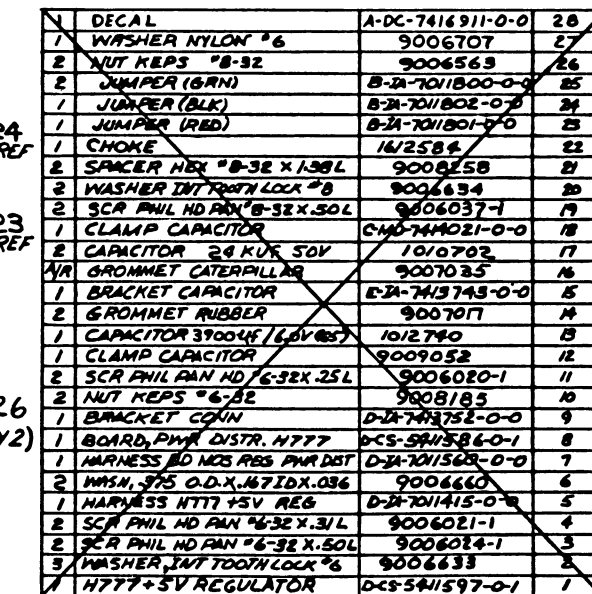
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BLANK



NOTES:

1. USE ITEM #16 (GROMMET) TO COVER RAW METAL EDGES UNDER CAPACITORS.
2. LEADS FROM ITEMS #22, 23 & 24 ARE TO BE CUT FLUSH WITH TOP OF CLAMPS ON ITEM #1. A1, A2, A3 & A4
3. * ASTERISK INDICATES THAT THESE COUN. ALREADY HAVE BEEN MADE ON PLUG P1 ON HARNESS D-JA-7011540-0-0 THEY ARE SHOW FOR REF ONLY.
4. ITEMS #17 & #13 ARE TO HAVE THEIR ELECTRICAL CONNECTIONS TORQUED TO 12 IN-LBS (-0, +10) IN-LBS.
5. BRING SCREW TO A NO SLACK POSITION, THEN TIGHTEN WITH 1/2 TO 3/4 TURN ONLY.
6. ITEMS #33 AND #34 ARE NOT SHOWN.



DESCRIPTION				DWG./PART NO.				ITEM NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES									
ANGLES 30° 30'		CLASIS OF ACCURACY (CHECK ONE)		NOMINAL DIMENSION RANGE CODES					
SURFACE QUALITY IN		MEDIUM ☐		SPRUE 0	SPRUE 0.1	SPRUE 0.2	SPRUE 0.3	SPRUE 0.4	SPRUE 0.5
				0.6	0.7	0.8	0.9	1.0	1.1
MICROMETERS		PREFERRED ☐		0.12	0.16	0.20	0.25	0.30	0.36
DRAWN <i>M. J. Jones</i> 11/15/73				FIRST USED ON		10-00-0			
CH'D. <i>R. J. Jones</i> 9-25-73				H777					
ENG'D. <i>R. J. Jones</i> 9-25-73				TITLE					
PROJ. ENG'D. <i>R. J. Jones</i> 9-25-73				+5V REG ASSY					
PROD. <i>R. J. Jones</i> 7-4-73									
NEXT HIGHER ASSY.									
D-24-H777-0-0				SIZE CODE		NUMBER		REV	
SCALE $\frac{1}{4} = 1$				D AD		7011073-0-0		D	
SHEET / OF /				DST.					

THIRD ANGLE PROJECTION



**REMOVE BURRS AND
BREAK SHARP CORNERS**

DO NOT SCALE DWG

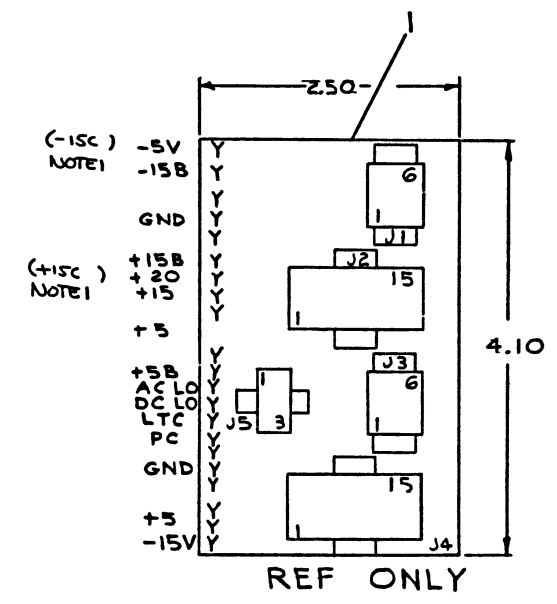
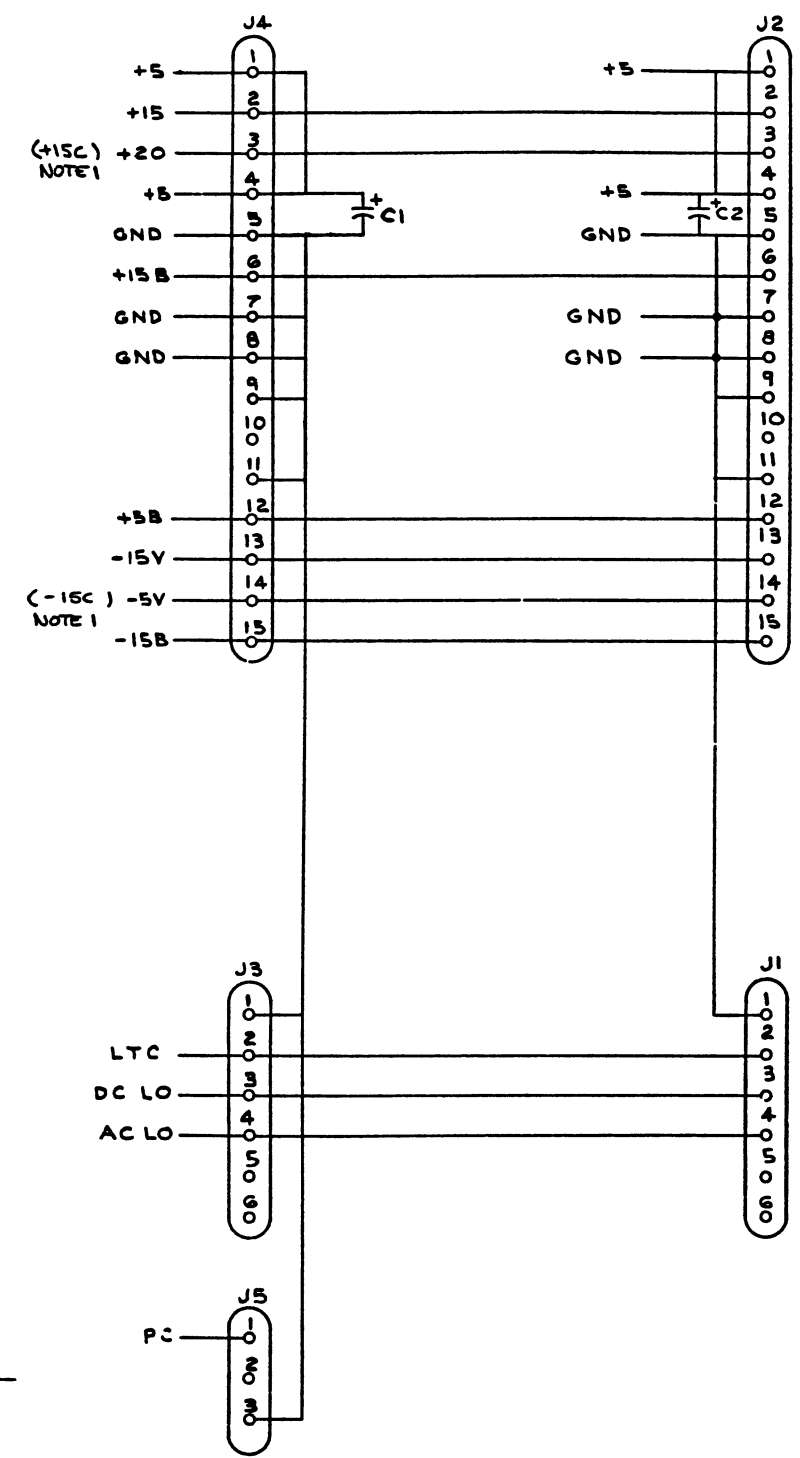
MATERIAL 

FINISH 

DRG# <i>7-10-75</i>	7-10-75	FIRST USED ON	<i>H777</i>	<i>10-08-75</i>
CHKT. <i>2-2-75</i>	<i>2-2-75</i>	TITLE		
ENGR. <i>2-2-75</i>	<i>2-2-75</i>	+5V REG ASSY		
PROG. ENGR. <i>2-2-75</i>	<i>2-2-75</i>			
PROD. <i>7-14-75</i>	<i>7-14-75</i>			
NEXT HIGHER ASSY.				
<i>D-2A-H777-0-0</i>		SIZE	CODE	NUMBER
SCALE <i>1-1</i>		<i>D</i>	<i>AD</i>	<i>7011073-0-0</i>
SHEET <i>1</i> OF <i>1</i>		DRST.		

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NOTES:
1: H777 UA, UB VARIATION ONLY $\pm 15C$ FROM THE 5413764 MODULE.

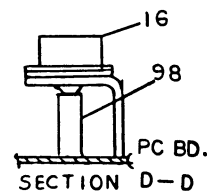


REV.	CHANGE NO.	DATE	BY	CHKD.
1	1	11/02/77	W. BAUSHA	W. BAUSHA
2	2	11/02/77	W. BAUSHA	W. BAUSHA
3	3	11/02/77	W. BAUSHA	W. BAUSHA
4	4	11/02/77	W. BAUSHA	W. BAUSHA
5	5	11/02/77	W. BAUSHA	W. BAUSHA
6	6	11/02/77	W. BAUSHA	W. BAUSHA
7	7	11/02/77	W. BAUSHA	W. BAUSHA
8	8	11/02/77	W. BAUSHA	W. BAUSHA

ORIG. <i>F. Brown</i>	1-20-77	FIRST USED ON	11/02 PWR SUPP
CHK'D. <i>F. Brown</i>	1-20-77	TITLE	BOARD, POWER DISTRIBUTION H777
ENG. <i>P. Brown</i>	1-20-77	SIZE	D
PROD. ENG. <i>P. Brown</i>	1-20-77	CODE	CS
PROD. <i>P. Brown</i>	1-20-77	NUMBER	5411586-0-1
NEXT HIGHER ASSY.		REV.	F
SCALE	NONE		
SHEET	1 OF 1	DIST.	

TW

I. HARDWARE ON D1,Q1,Q2,D6,S1,C5 MUST BE TORQUED TO 12 IN-LBS (-0,+1)



A

IC TYPE	GND	+5V
IC 555	1	8

ALL PINS

GND AND 5V ARE USUALLY PIN 7 AND 14
RESPECTIVELY EXCEPTIONS ARE STATED ABOVE

IC PIN LOCATIONS

FIRST USED ON OPTION MODEL		ETCH BOARD REV.		PARTS LIST		TITLE	
		E				digital	
				DRN. <i>J. J. J.</i>		DATE 6-30-75	
				CHKD. <i>J. J. J.</i>		DATE 7-1-75	
				ENGR. <i>J. J. J.</i>		DATE 7-1-75	
				PROJ. ENGR. <i>J. J. J.</i>		DATE 7-1-75	
				PROD. <i>J. J. J.</i>		DATE 7-1-75	
				NEXT HIGHER ASSY		+ 5V REGULATOR	
DEC NO.		EIA NO.		DEC NO.		EIA NO.	
SEMICONDUCTOR CONVERSION CHART				SCALE		SIZE CODE	
				SHEET 1 OF 4		D CS 5411597-0-1	
						REV. L	

87654321

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REVISIONS

CHK	CHANGE NO	REV

7

6

5

4

3

2

1

7

1-0-26911597-0

2

1	R76	RESISTOR, 5J, 1/4W, 5%	1309422	54
1	R78	RESISTOR, 56, 1/4W, 5%	1302602	55
1	R42	RESISTOR, 348K, 1/4W, 1%	1303156	56
2	R1, R7	RESISTOR, .39, 2W, 3%	1310868	57
2	R12, R13	RESISTOR, .02, 5W, 3%	1310876	58
2	R5, R6	RESISTOR, .04, 5W,	1311362	59
1	R3	RESISTOR, 3, 3W, 5%	1312682	60
2	Q1, Q2	TRANSISTOR, 2N5302	1510196	61
3	Q7, Q8, Q10	TRANSISTOR, A05	1510705	62
5	Q9, Q11, Q16, Q17, Q18	TRANSISTOR, A55	1510706	63
2	Q3, Q5	TRANSISTOR, D45H8	1510708	64
4	Q4, Q13 THRU Q15	TRANSISTOR, 2N5433	1511886	65
1	Q19	TRANSISTOR, 2N6028	1510877	66
1	Q6	TRANSISTOR, D44C11	1512790	67
1	Q9	TRANSISTOR, C32AX135	1510928	68
1	T1	TRANSFORMER PULSE	1612592	69
1	E8	I.C. DEC 7410	1805576	70
5	E1, E2, E4, E5, E6	I.C. DEC 301A	1910282	71
3	E3, E7, E8	I.C. DEC LM555	1811944	72
1	F1	FUSE 15A, 32V	9007226	73
1	S1	THERMOSTAT (ELMWOOD)	1212787	74
1		HEAT SINK	7414238	75
2		EYELET	9006732	76
3		WIRE, #22 AWG STRANDED (WHITE)	9107350-99	77
3		WIRE, #22 AWG STRANDED (WHITE)	9107350-88	78
2		FUSECLIP	9007203	79
2		SCREW, #4-40 x 7/16 lg PHILLIPS HD	9008012-1	80
10		NUT, KEP #4-40	9008557	81
A/R		COMPOUND, THERMAL	9008268	82
4		INSULATOR, T03	9008418	83
2		INSULATOR, THERMA-FILM	9009597	84
3	A1, A2, A4	STANDOFF	7414048-0	85
REF		ASSY, HARNESS	7011415-0-0	86
1	W1	WIRE #18 AWG	9009185	87
1	C10	CAPACITOR 8200 PF 100V MYLAR	1000061	88
1	C8	CAPACITOR, 33 PF, 100V, 5% DM	1000009	89
				90
4		SET SCREW #6-32 X 1/8 LG.	9006290-10	91
2		SCREW NYLON #4-40 X 1/2 LG.	9006402-4	92
2		NUT NYLON #4-40	9007992	93
1	A3	STANDOFF	7414048-1	94
1	J2	CONTROL CABLE (CONSOLE)	7011414-1F	95
8		WASHER, FLAT	9008172	96
		WASHER, HD, CON #1	9007132	97
1		SPACER, INSULATOR	9007615	98
1	R30	RES 220, 1/4W, 5%	1309271	99
1	R20	RES 33K, 1/4W, 5%	1300439	100
8		SCREW, PHL PAN HD 4-40 x 5/8	9006014-01	101
A/R		JUMPER	9105740-55	102
A/R		WIRE	9107267-09	103
1	Q12	TRANSISTER VCR2N	1516351	104
1	R11	RES 383Ω 1/4W 1%	1305125	105
1	R14	RES 8.0K 1/4W 1%	1305129	106

8

7

6

5

4

3

2

1

TITLE

H777+5V REGULATOR

SIZE CODE

DCS 5411597-0-1

NUMBER

REV.

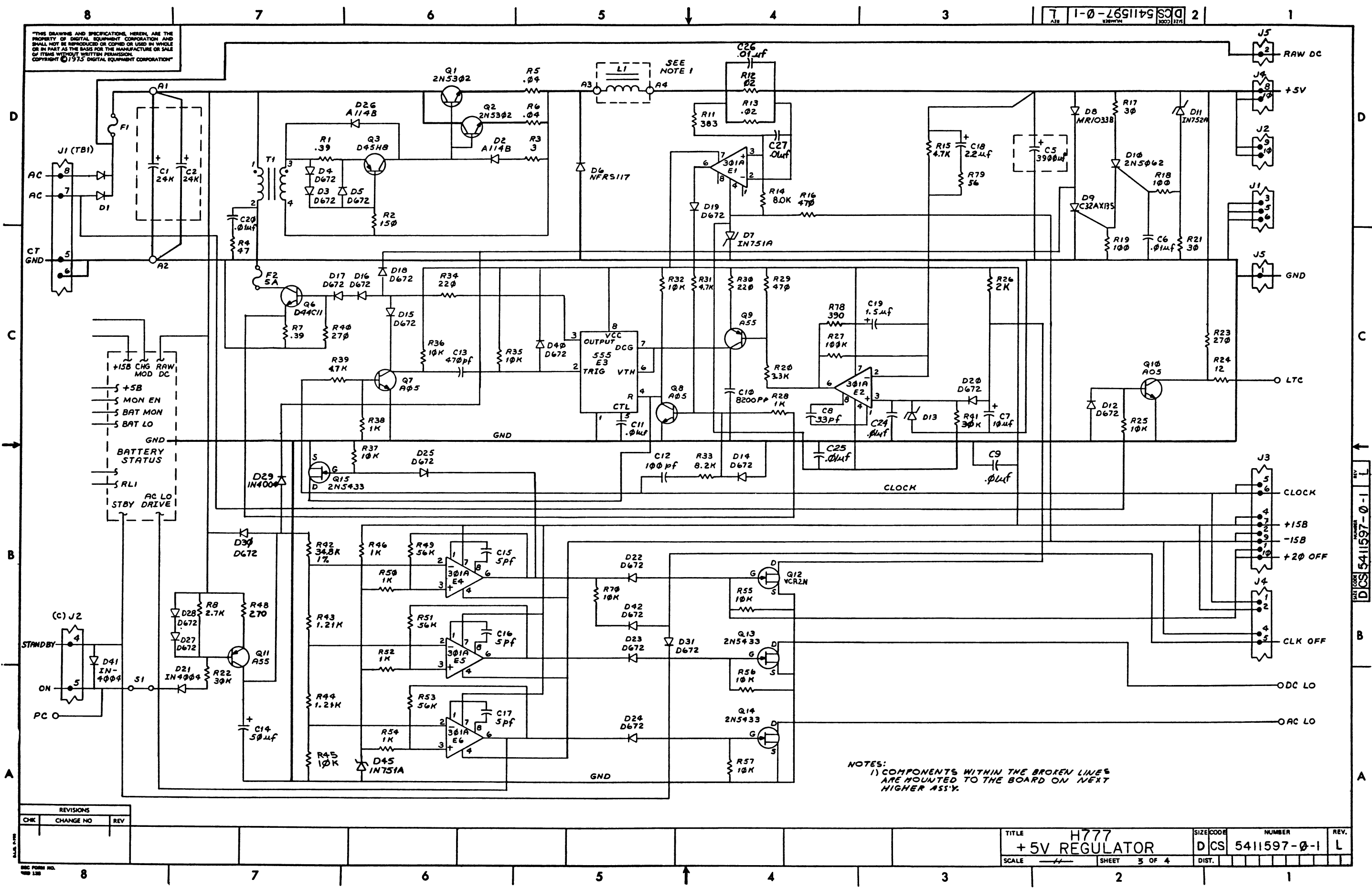
L

SCALE

SHEET 2 OF 4

DIST

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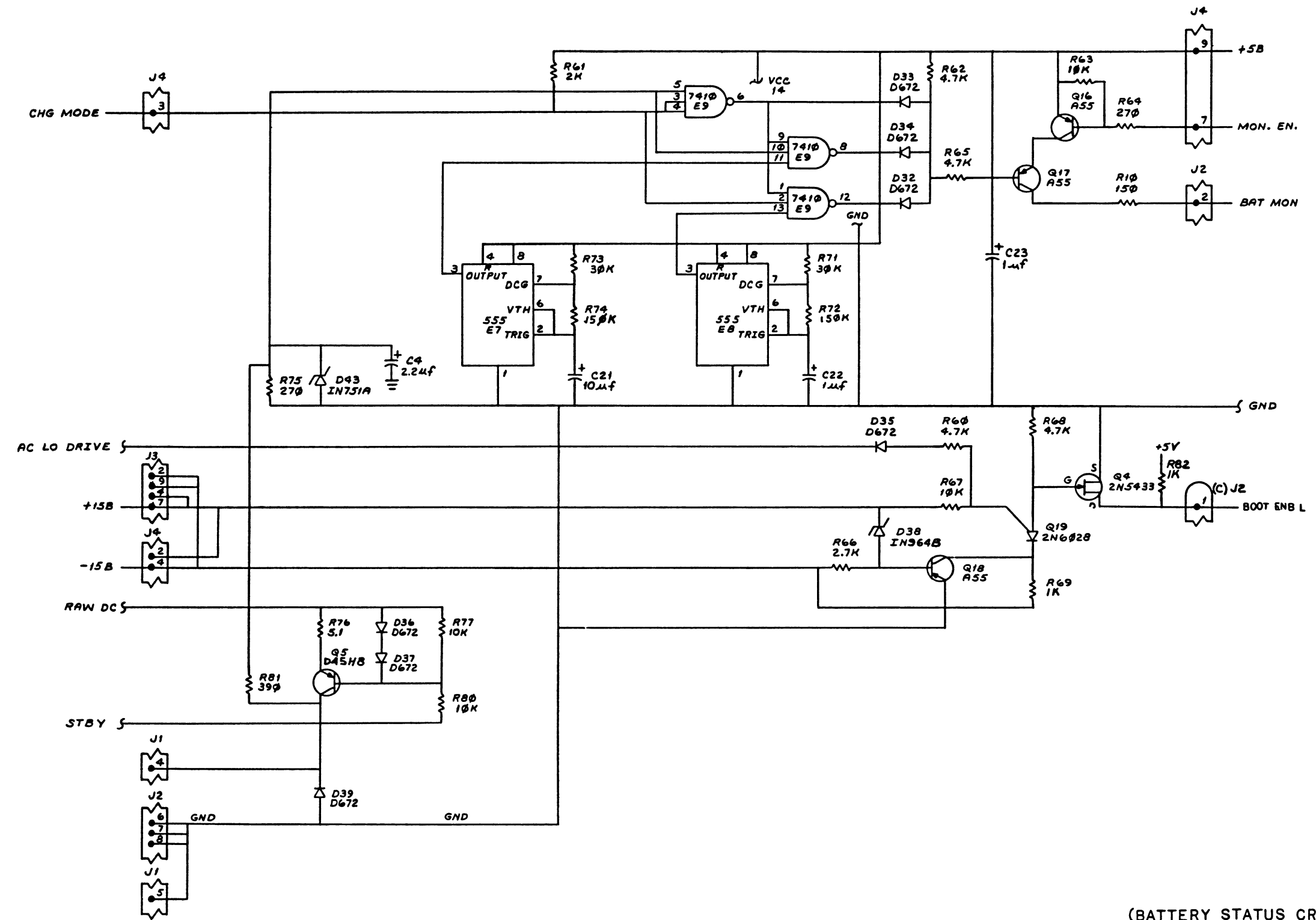


NOTES:
1) COMPONENTS WITHIN THE BROKEN LINES ARE MOUNTED TO THE BOARD ON NEXT HIGHER ASSY.

REVISIONS		
CHK	CHANGE NO	REV

TITLE	H777 +5V REGULATOR	SIZE CODE	NUMBER	REV.
SCALE	1/1	SHEET	3 OF 4	L

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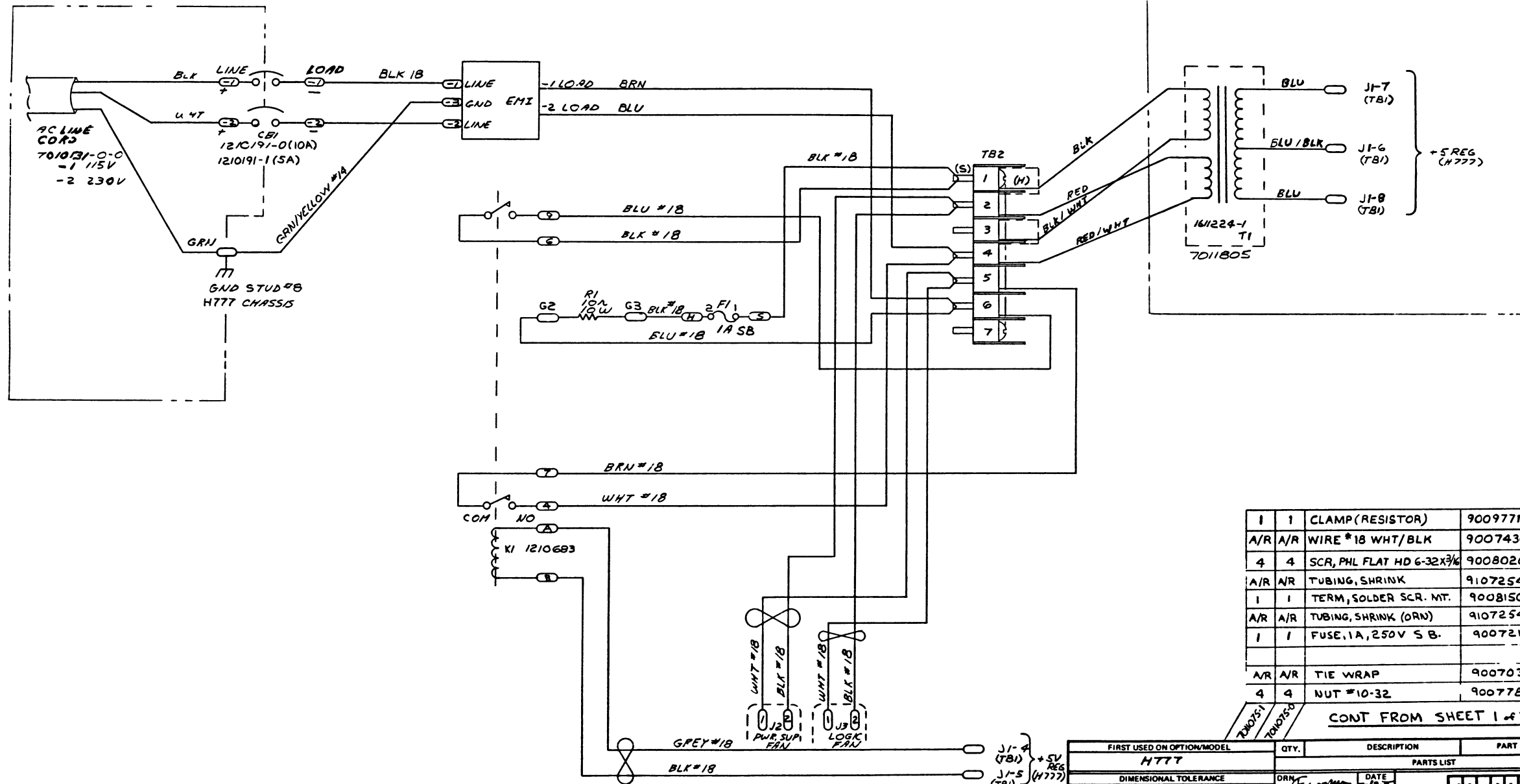
(BATTERY STATUS CRKT'S)

REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE CODE	NUMBER	REV.
H777 + 5V REGULATOR		DCS	5411597-0-1	L
SCALE	SHEET	DIST.		
	4 OF 4			

DEC FORM NO
DDP 100-C

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1	1	CLAMP (RESISTOR)	9009771-2	46
A/R	A/R	WIRE #18 WHT/BLK	9007430-09	45
4	4	SCR, PHL FLAT HD 6-32x3/16	9008020-02	44
A/R	A/R	TUBING, SHRINK	9107254-9	43
1	1	TERM, SOLDER SCR. MT.	9008150	42
A/R	A/R	TUBING, SHRINK (DRN)	9107254-02	41
1	1	FUSE, 1A, 250V S.B.	9007212	40
A/R	A/R	TIE WRAP	9007031	38
4	4	NUT #10-32	9007786	37

CONT FROM SHEET 1 & 2

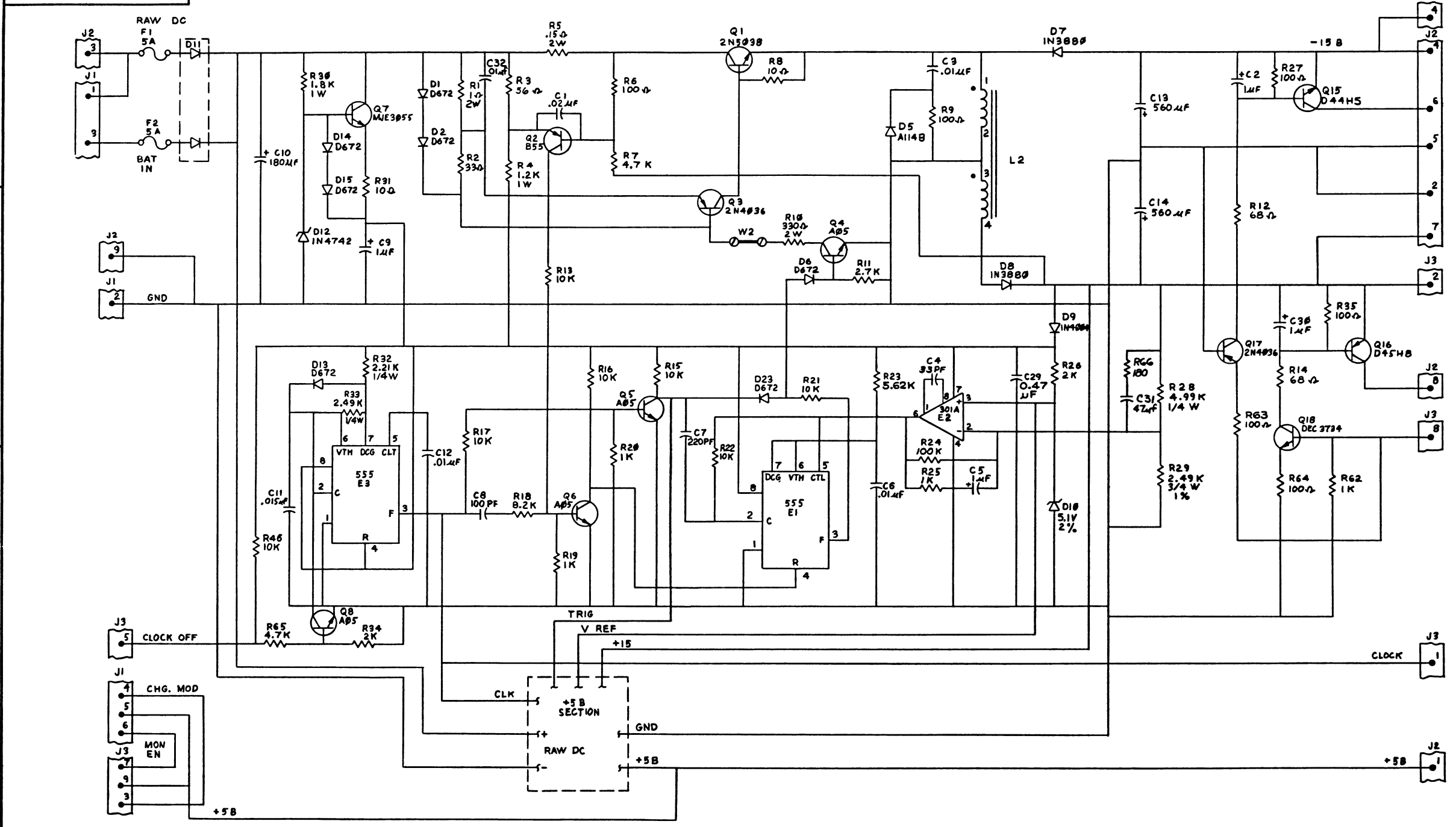
FIRST USED ON OPTION/MODEL HTTT		QTY.	DESCRIPTION	PART NO.	ITEM NO.
DIMENSIONAL TOLERANCE DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED		PARTS LIST			
THIRD ANGLE PROJECTION		TITLE A/C INPUT ASSY (120V/230V)			
MATERIAL FINISH		SIZE CODE NUMBER REV			
SCALE SHEET 2 OF 2		DIST			

DAD 7011075-0-0

A

REVISIONS	NO.	REV.
CHANGE NO.		
CWK		

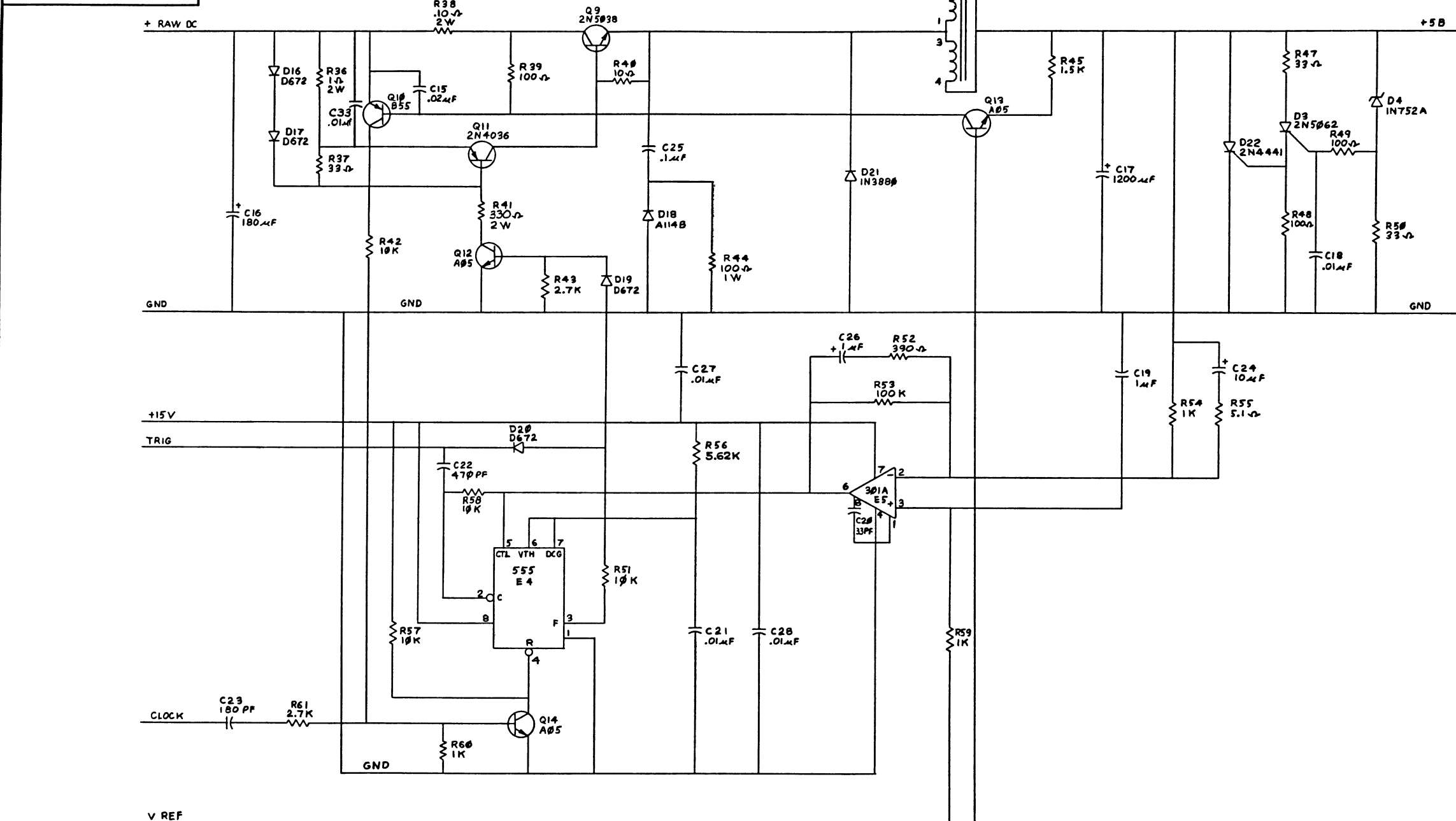
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REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE CODE	NUMBER	REV.
MOS REGULATOR H777		DCS	5411601-O-1	P
SCALE		SHEET	2 OF 3	DIST.

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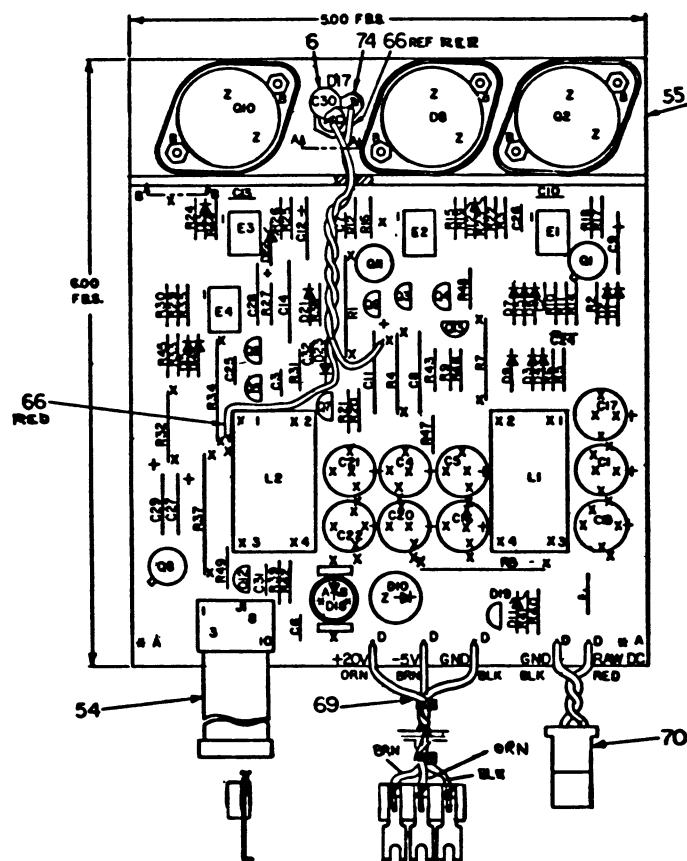
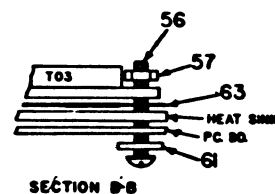
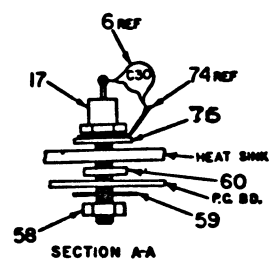
REVISIONS		
CHK	CHANGE NO	REV

TITLE	MOS REGULATOR H777	SIZE CODE	DCS	NUMBER	5411601-0-1	REV.	P
SCALE	1/1	SHEET	3	OF	3	DIST.	

DEC FORM NO. 130

TW 1

USE TRANSIPAD DEC# 9007201 UNDER Q1 & Q8



1		HEAD SINK	7416236-0-0	55	REF	X-Y COORDINATE HOLE LOCATION	K-CO-5411599-0-4	1
6		SCREW, #4-48 x 1/2 lg PH HD	9008015-1	56	REF	ASST/DRILLING HOLE LAYOUT	D-AH-5411599-0-5	2
6		NUT, KEP #4-48	9008557	57	REF	MODULE ECO HISTORY	B-MN-5411599-0-0	3
1		NUT, HEX #10-32	9008584	58	1	ETCHED CIRCUIT BOARD	5011598	4
1		WASHER, FLAT	9008682	59	1 C7	CAPACITOR, 100PF, 100V, 5%	1000016	5
1		BUSHING, NYLON	5008440	60	6 C2,C3,C6,C30,C24,C25	CAPACITOR, .01uf, 100V DISC	1001810-01	6
8		WASHER, FLAT	9008172	61	3 C8, C27,C28	CAPACITOR, 1uf, 35V, 10% TANT	1001778	7
A/R		COMPOUND, THERMAL	9008288	62	2 C10,C13	CAPACITOR, 33pf, 100V OM	1000009	8
3		INSULATOR, TO 3	1213071-02	63	1 C11	CAPACITOR, 1.5uf, 35V, 10% TANT	1005725	9
1		WASHER, FLAT	9008434	64	2 C8,C14	CAPACITOR, .01uf, 100V, 10% NYLAR	1005784	10
2		TRANSIPAD	9007281	65	1 C31	CAPACITOR, 220pf, 100V, 5%	1000021	11
A/R		WIRE #18 AWG, TWISTED PAIR	0107430-02	66	2 C5,C18	CAPACITOR, 1200uf, 63V	1012607-01	12
1	C29	CAPACITOR 22UF 20V	1002627	67	7 C1,C17,C18,C4,C2QC21,C22	CAPACITOR, 180uf, 50V	1012607-02	13
1	R47	RESISTOR 200, 1/4W, 5%	1311522	68	1 D22	DIODE, 1N4742	11059502	14
1		HARNESS (THREE WIRE)	C-7A 7012547-0-0	69	1 D18	DIODE, M18338	1103341	15
1		HARNESS (TWO WIRE)	C-1A 7012546-0-0	70	10 D1 THRU D7, D14,D15, D21	DIODE, D072	1105275	16
1	C12	CAPACITOR, 10uf, 20V, 10%, TANT	1004813	71	1 D17	DIODE, 1N3886	1109448	17
1	D23	DIODE, 1N753A	1102421	72	2 D12,D13	DIODE, 1N751, 3.1V 25	1110713	18
1	C26	CAPACITOR, .47uf, 25V, 10%, CER	1010279	73	1 D8	DIODE	1110715	19
1		GOLDER, TERM., SCREW MTG	9007815	74	1 D11	DIODE, 1N4780	1110058	20
1		GIL PAD .800 .190 I.D.	1213071-05	75	1 D19	DIODE, 2N5962	1110968	21
1	C32	CAP. 1UF 50V CER.	1010274-02	76				22

1	D9.	DIODE, A1148	1112595-01	22
1	F1	FUSE, 15A, PICO	1210929	23
1	R46	RESISTOR, 1BK, 1/4W, 5%	1302465	24
6	R9, R39, R40, R41, R43, R45	RESISTOR, 100, 1/4W, 5%	1300229	25
1	R7.	RESISTOR, 100, 1W, 5%	1300232	26
3	R11, .R2, R33	RESISTOR, 390, 1/4W, 5%	1300309	27
6	R8, R12, R23, R31, R17, R48	RESISTOR, 1K, 1/4W, 5%	1300305	28
3	R10, .R14, .R30	RESISTOR, 2.7K, 1/4W, 5%	1300426	29
4	R42, R44, .R15, R27	RESISTOR, 4.7K, 1/4W, 5%	1300447	30
1	R4	RESISTOR 1K, 1W, 5%	1300368	31
3	R10, .R29, R30,	RESISTOR, 10K, 1/4W, 5%	1300479	32
2	R3, R35	RESISTOR, 10, 1/4W, 5%	1301317	33
1	.R45	RESISTOR, 470, 1/4W, 5%	1300316	34
1	R5	RESISTOR, 27, 1/4W, 5%	1301522	35
1	.R34	RESISTOR, 330, 2W, 10%	1301561	36
1	R10	RESISTOR, 2K, 1/4W, 5%	1302300	37
2	R10, R26	RESISTOR, 100K, 1/4W, 5%	1302400	38
1	R22	RESISTOR, 2.74K, 1/4W, 1%	1304000	39
2	R1, R32	RESISTOR, 1, 2W, 5% W W	1305420	40
2	R24, R25	RESISTOR, 1.5K, 1/4W 5%	1300391	41
1	R21	RESISTOR, 0.25K, 1/4W, 1%	1305420	42
2	R0, R37	RESISTOR, .00, 5W, 3% W W	1311003	43
1	R20	RESISTOR, 56, 1/4W, 5%	1302602	44
2	Q1, Q0	TRANSISTOR, 2N4830	1509700	45
7	Q3, Q5, Q6, Q7, Q8, Q12, Q13	TRANSISTOR, XAF5	1510705	46
1	Q4	TRANSISTOR, XA55	1510700	47
1	Q10	TRANSISTOR, C32AX135	1510920	48
2	Q2, Q10	TRANSISTOR, 2N5030	1510909	49
1	Q11	TRANSISTOR, 2N5433	1511000	50
2	L1, L2	INDUCTOR, 500uh	1012593	51
2	E1, E3	I.C DEC 301A	1910202	52
2	E2, E4	I.C. DEC 595	1911844	53
1	J1	CABLE ASSY	7011414 -OE	54
QTY	REF. DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.

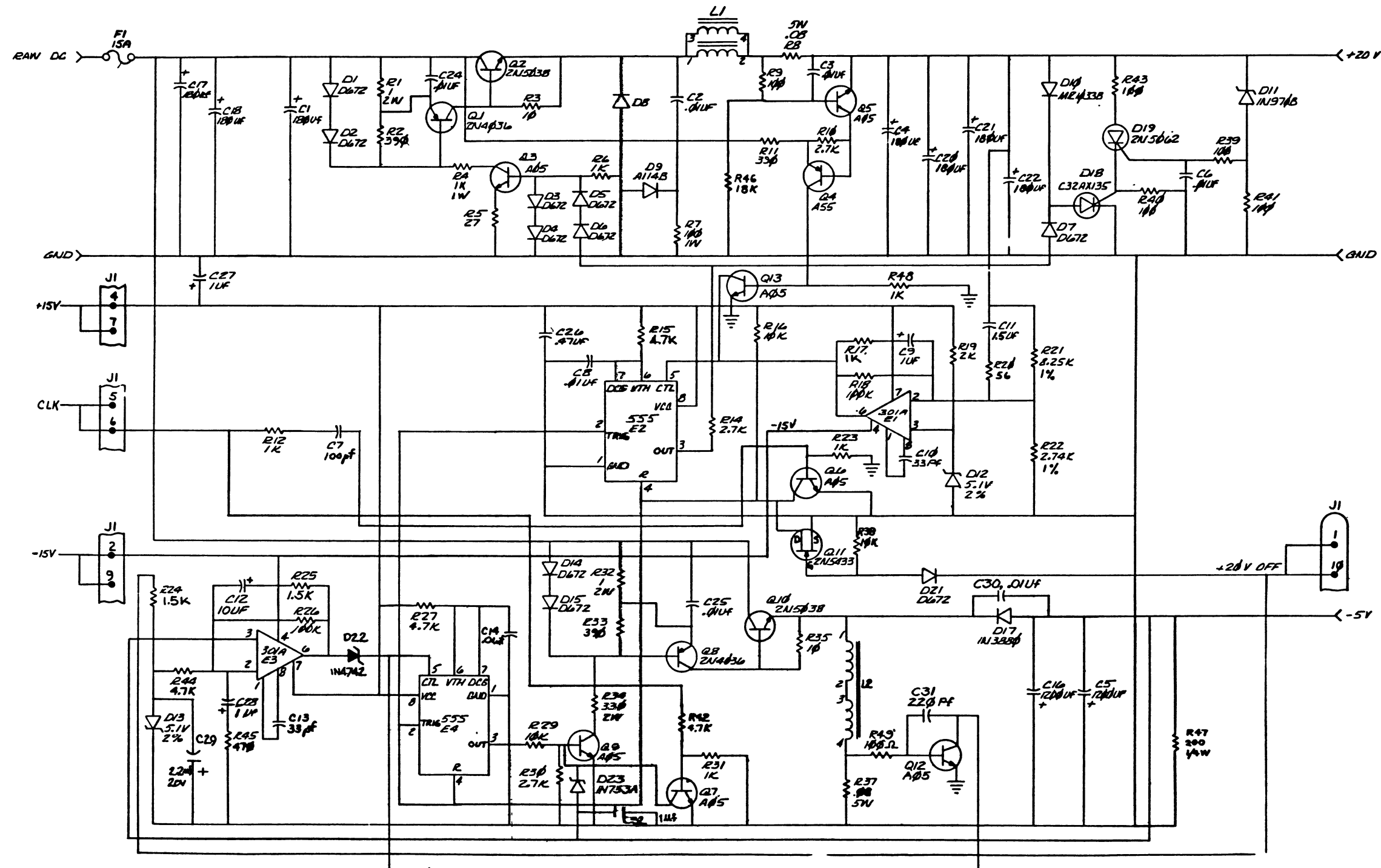
FIRST USED ON OPTION MODEL				PARTS LIST																											
ETCH BOARD REV.				0																											
				DESIGN	DATE	digital						TITLE +20V REGULATOR/H777																			
				<i>W. Minicella</i>	11/17/75																										
				CHG.	DATE																										
				<i>[Signature]</i>																											
				ENG.	DATE																										
				<i>[Signature]</i>	11/17/75																										
				PROL. ENG.	DATE	NUMBER 5411599-0-1						REV. J																			
				<i>[Signature]</i>	11/17/75																										
				PROD.	DATE																										
				<i>[Signature]</i>	11/17/75																										
				TEST.	DATE																										
				<i>[Signature]</i>	11/17/75																										
				NEXT HIGHER ASSY																											
				E-UA-H777-0-0																											
DEC NO.				EIA NO.				DEC NO.				EIA NO.				SIX CODE				NUMBER				REV.							
																D.C.S.				5411599-0-1				J							
SEMICONDUCTOR CONVERSION CHART																SCALE				1											
																SHEET				1				OF				2			
																D.C.S.				1											

<i>John A. May</i> (TS) 14 SEP 82 J. SOFLO M. BERNARDINI 2-9-77 5411599-00003 J <i>John A. May</i> 14 Nov 77 B. COLMIFAMANCHE <i>John A. May</i> 14 Nov 77 5411599-00002 H G. POTTER <i>John A. May</i> 14 AUG 76 5411599-00001 F CHK CHANGE NO. REV.

IC TYPE	GND	-
GND AND V ₊ ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPTIONS ARE STATED ABOVE		
IC PIN LOCATIONS		

GSC FORM 100

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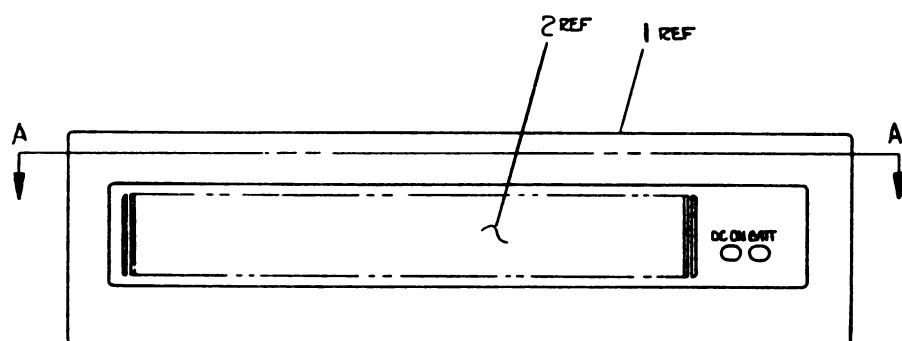
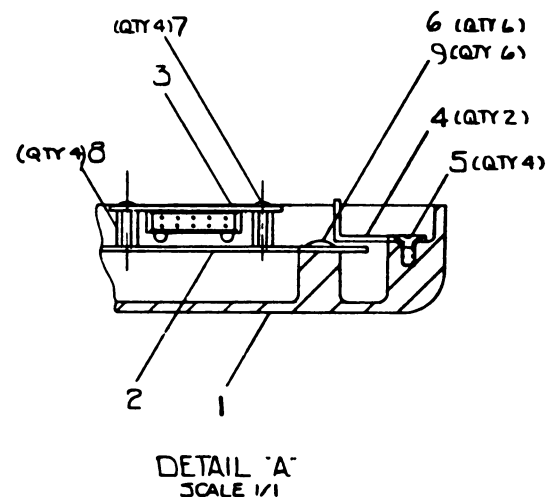
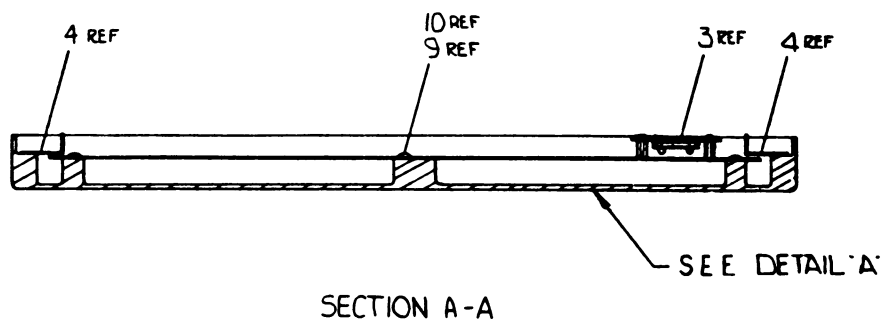


REVISIONS		
CHK	CHANGE NO.	REV

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS					QUANTITY / VARIATION															
PARTS LIST			MADE BY		CHECKED D. HEALY		SECTION		H777-AA	H777-AB	H777-BA	H777-BB	H777-CA	H777-CB	H777-DA	H777-DB	H777-UA	H777-UB		
			DATE		DATE 29 JUL 76		1													
			DATE		DATE		ISSUED SECT.													
ENG R. Barry 26 AUG 76			PROD R. Barry 26 AUG 76		DATE		1													
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION																		
45	9006634	WASHER INT. TOOTH LOCK #8																		
46	B-IA-7013315-1	AC POWER CORD ASSEMBLY 230V																		
47	9006011-1	SCR PH HD PAN #4 - 40 x .38																		
48	9006632	WASHER INT. TOOTH LOCK #4																		
49	9008020-02	SCR, PHIL FLAT HD. #6-32 x .18																		
50	7011411-1L	CABLE, CONSOLE CONTROL																		
51	9006022-03	SCR. PHIL. TRUSS #6-32 x .38																		
52	C-IA-7013938-I	CABLE JUMPER																		
53	C-IA-7013938-O	CABLE JUMPER																		
54	C-IA-7013939-O	CABLE GROUNDING																		
55	1700083-05	AC POWER CORD (120V)																		
56	1700083-04	AC POWER CORD (240V)																		
57	9006656	WASHER, FLAT																		
58	9006025-01	SCR, PAN PHIL #6-32 x 5/8																		
59	9006560	NUT, KEP #6-32																		
60	7011412-3C	CABLE ASSY																		
61	9006561	NUT, HEX #8-32																		
62	7011414-1F	CABLE, CONSOLE CONTROL																		
63	9009255-00	LABEL																		
64	3614833	LABEL, WARNING																		
65	5413764	± 15V REGULATOR																		
66	3617413-00	ATTENTION LABEL																		
TITLE		ASSY NO.		SIZE	CODE	NUMBER				REV.	ECO NO.									
POWER SUPPLY ASSY (H777)		E-IA-H777-0-0		A	PL	H777-0-0				R										
		SHEET 3 OF 3		DIST.																

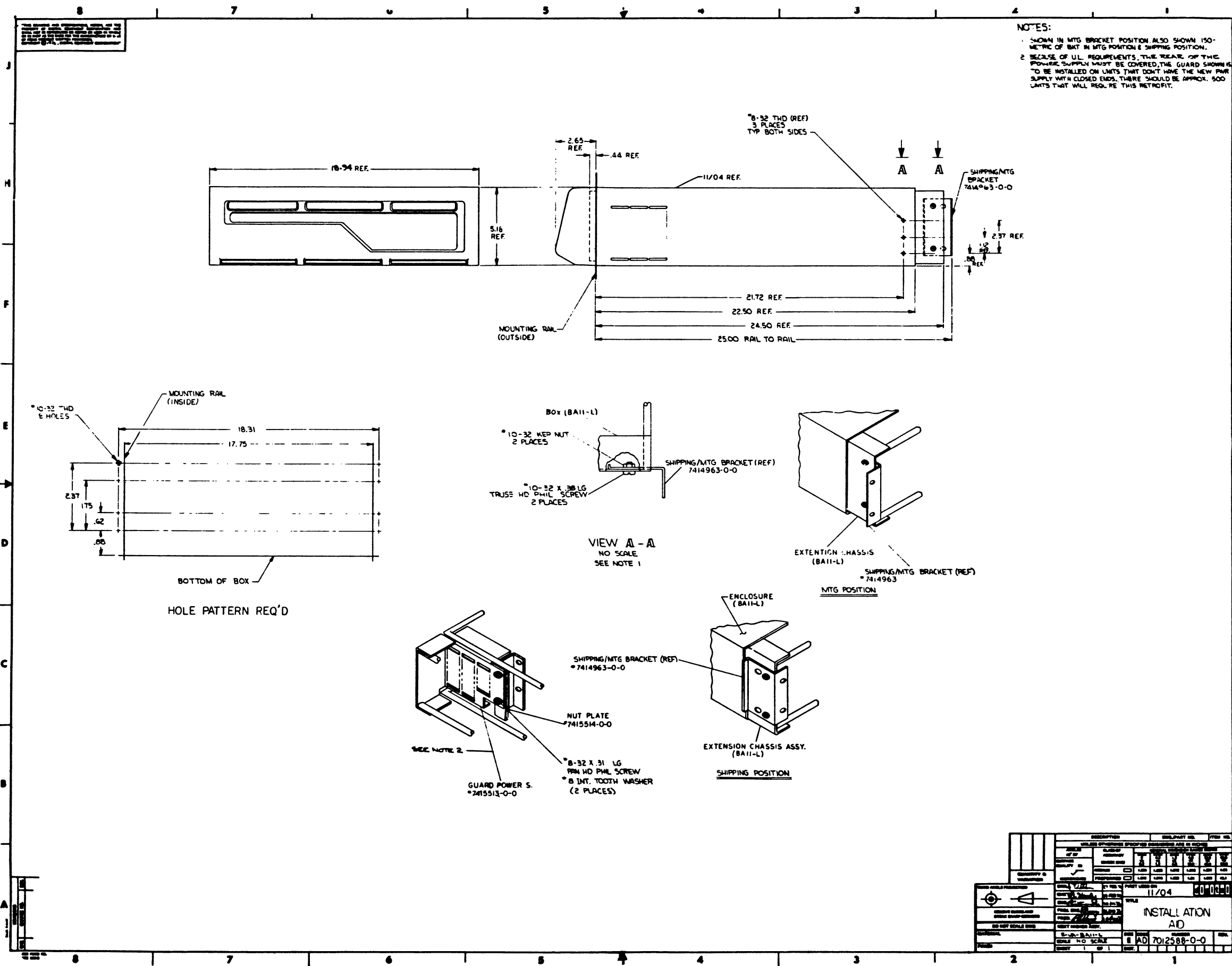
TW

NOTES:
1 TO SELECT STAND BY/MODE, ON MODE
OR OFF MODE SEE D-C3-5411501-0-1.

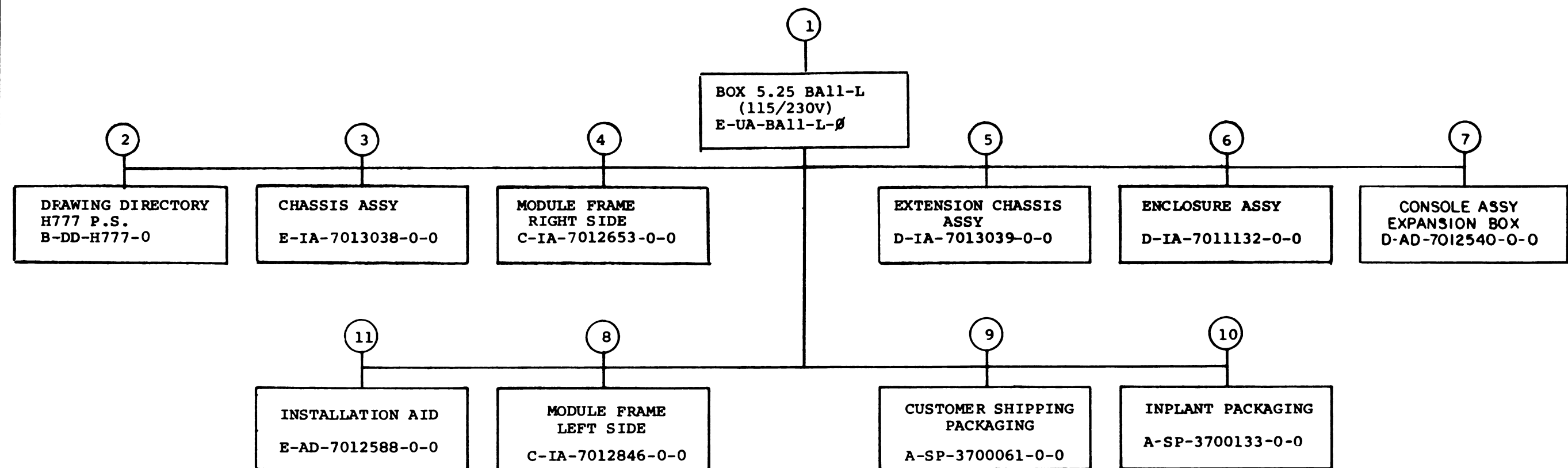


CAUTION: SEE OFF SHEET PARTS LIST
K-PL-7012540-0-DBP
(Z3343B, PLS)

		DESCRIPTION		DWG. PART NO.		ITEM NO.																																																																																																																																																																																																																																
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES																																																																																																																																																																																																																																				
		ANGLE OF 30° SURFACE QUALITY ☒	CLASS OF ACCURACY (CHECK ONE) ☒ MEDIUM ☐ FINE ☐ PREPARED	NOMINAL DIMENSION RANGE TOLERANCES <table border="1"> <tr> <th>SIZE</th> <th>1/16</th> <th>1/8</th> <th>1/4</th> <th>3/8</th> <th>1/2</th> <th>3/4</th> <th>1</th> <th>1 1/2</th> <th>2</th> <th>3</th> <th>4</th> <th>6</th> <th>8</th> <th>12</th> <th>18</th> <th>24</th> <th>36</th> <th>48</th> <th>60</th> <th>72</th> <th>96</th> <th>120</th> <th>144</th> <th>180</th> <th>240</th> <th>300</th> <th>360</th> <th>480</th> <th>600</th> <th>720</th> <th>960</th> <th>1200</th> <th>1440</th> <th>1800</th> <th>2400</th> <th>3000</th> <th>3600</th> <th>4800</th> <th>6000</th> <th>7200</th> <th>9600</th> <th>12000</th> <th>14400</th> <th>18000</th> <th>24000</th> <th>30000</th> <th>36000</th> <th>48000</th> <th>60000</th> <th>72000</th> <th>96000</th> <th>120000</th> <th>144000</th> <th>180000</th> <th>240000</th> <th>300000</th> <th>360000</th> <th>480000</th> <th>600000</th> <th>720000</th> <th>960000</th> 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1/2	2	3	4	6	8	12	18	24	36	48	60	72	96	120	144	180	240	300	360	480	600	720	960	1200	1440	1800	2400	3000	3600	4800	6000	7200	9600	12000	14400	18000	24000	30000	36000	48000	60000	72000	96000	120000	144000	180000	240000	300000	360000	480000	600000	720000	960000	1200000	1440000	1800000	2400000	3000000	3600000	4800000	6000000	7200000	9600000	12000000	14400000	18000000	24000000	30000000	36000000	48000000	60000000	72000000	96000000	120000000	144000000	180000000	240000000	300000000	360000000	480000000	600000000	720000000	960000000	1200000000	1440000000	1800000000	2400000000	3000000000	3600000000	4800000000	6000000000	7200000000	9600000000	12000000000	14400000000	18000000000	24000000000	30000000000	36000000000	48000000000	60000000000	72000000000	96000000000	120000000000	144000000000	180000000000	240000000000	300000000000	360000000000	480000000000	600000000000	720000000000	960000000000	1200000000000	1440000000000	1800000000000	2400000000000	3000000000000	3600000000000	4800000000000	6000000000000	7200000000000	9600000000000	12000000000000	14400000000000	18000000000000	24000000000000	30000000000000	36000000000000	48000000000000	60000000000000	72000000000000	96000000000000	120000000000000	144000000000000	180000000000000	240000000000000	300000000000000	360000000000000	480000000000000	600000000000000	720000000000000	960000000000000	1200000000000000	1440000000000000	1800000000000000	2400000000000000	3000000000000000	3600000000000000	4800000000000000	6000000000000000	7200000000000000	9600000000000000	12000000000000000	14400000000000000	18000000000000000	24000000000000000	30000000000000000	36000000000000000	48000000000000000	60000000000000000	72000000000000000	96000000000000000	120000000000000000	144000000000000000	180000000000000000	240000000000000000	300000000000000000	360000000000000000	480000000000000000	600000000000000000	720000000000000000	960000000000000000	1200000000000000000	1440000000000000000	1800000000000000000	2400000000000000000	3000000000000000000	3600000000000000000	4800000000000000000	6000000000000000000	7200000000000000000	9600000000000000000	12000000000000000000	14400000000000000000	18000000000000000000	24000000000000000000	30000000000000000000	36000000000000000000	48000000000000000000	60000000000000000000	72000000000000000000	96000000000000000000	120000000000000000000	144000000000000000000	180000000000000000000	240000000000000000000	300000000000000000000	360000000000000000000	480000000000000000000	600000000000000000000	720000000000000000000	960000000000000000000	1200000000000000000000	1440000000000000000000	1800000000000000000000	2400000000000000000000	3000000000000000000000	3600000000000000000000	4800000000000000000000	6000000000000000000000	720000000000
				SIZE	1/16	1/8	1/4	3/8	1/2	3/4	1	1 1/2	2	3	4	6	8	12	18	24	36	48	60	72	96	120	144	180	240	300	360	480	600	720	960	1200	1440	1800	2400	3000	3600	4800	6000	7200	9600	12000	14400	18000	24000	30000	36000	48000	60000	72000	96000	120000	144000	180000	240000	300000	360000	480000	600000	720000	960000	1200000	1440000	1800000	2400000	3000000	3600000	4800000	6000000	7200000	9600000	12000000	14400000	18000000	24000000	30000000	36000000	48000000	60000000	72000000	96000000	120000000	144000000	180000000	240000000	300000000	360000000	480000000	600000000	720000000	960000000	1200000000	1440000000	1800000000	2400000000	3000000000	3600000000	4800000000	6000000000	7200000000	9600000000	12000000000	14400000000	18000000000	24000000000	30000000000	36000000000	48000000000	60000000000	72000000000	96000000000	120000000000	144000000000	180000000000	240000000000	300000000000	360000000000	480000000000	600000000000	720000000000	960000000000	1200000000000	1440000000000	1800000000000	2400000000000	3000000000000	3600000000000	4800000000000	6000000000000	7200000000000	9600000000000	12000000000000	14400000000000	18000000000000	24000000000000	30000000000000	36000000000000	48000000000000	60000000000000	72000000000000	96000000000000	120000000000000	144000000000000	180000000000000	240000000000000	300000000000000	360000000000000	480000000000000	600000000000000	720000000000000	960000000000000	1200000000000000	1440000000000000	1800000000000000	2400000000000000	3000000000000000	3600000000000000	4800000000000000	6000000000000000	7200000000000000	9600000000000000	12000000000000000	14400000000000000	18000000000000000	24000000000000000	30000000000000000	36000000000000000	48000000000000000	60000000000000000	72000000000000000	96000000000000000	120000000000000000	144000000000000000	180000000000000000	240000000000000000	300000000000000000	360000000000000000	480000000000000000	600000000000000000	720000000000000000	960000000000000000	1200000000000000000	1440000000000000000	1800000000000000000	2400000000000000000	3000000000000000000	3600000000000000000	4800000000000000000	6000000000000000000	7200000000000000000	9600000000000000000	12000000000000000000	14400000000000000000	18000000000000000000	24000000000000000000	30000000000000000000	36000000000000000000	48000000000000000000	60000000000000000000	72000000000000000000	96000000000000000000	120000000000000000000	144000000000000000000	180000000000000000000	240000000000000000000	300000000000000000000	360000000000000000000	480000000000000000000	600000000000000000000	720000000000000000000	960000000000000000000	1200000000000000000000	1440000000000000000000	1800000000000000000000	2400000000000000000000	3000000000000000000000	3600000000000000000000	4800000000000000000000	6000000000000000000000	720000000000						



REVISIONS		DESCRIPTION		DATE	
1	11/04	AD	7012588-0-0	1	11/04
INSTALLATION AD					
AD 7012588-0-0					

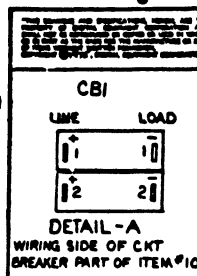
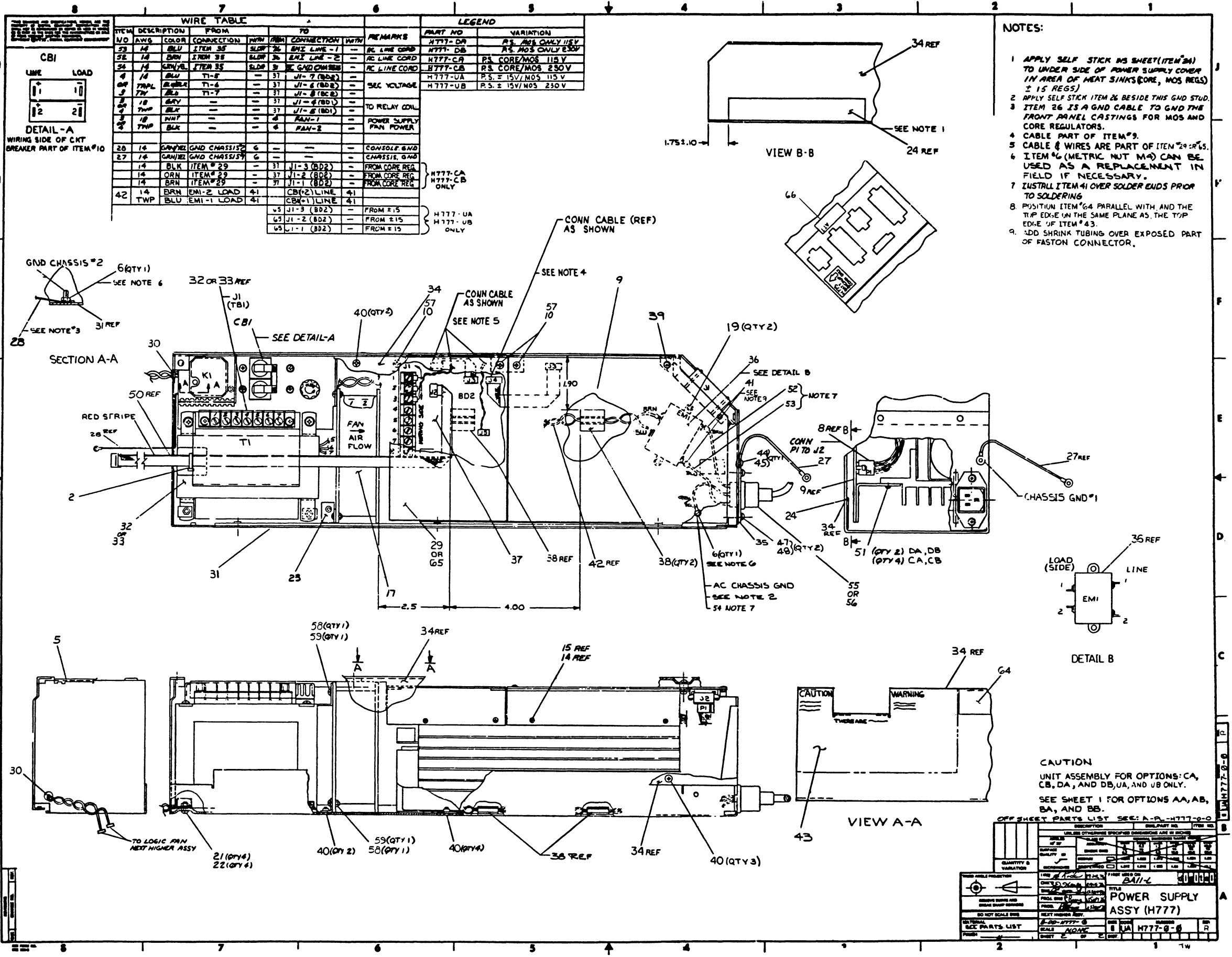


TITLE	SIZE	CODE	NUMBER	REV
DRAWING DIRECTORY BALL-L	B	DD	BALL-L	M
SHEET 2 OF 4				

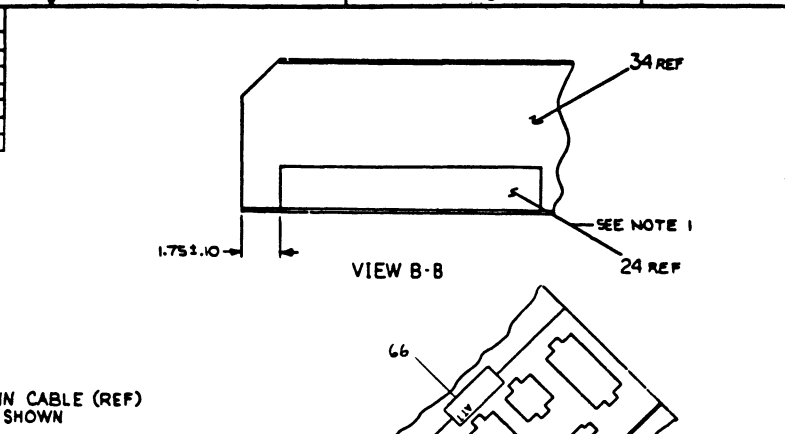
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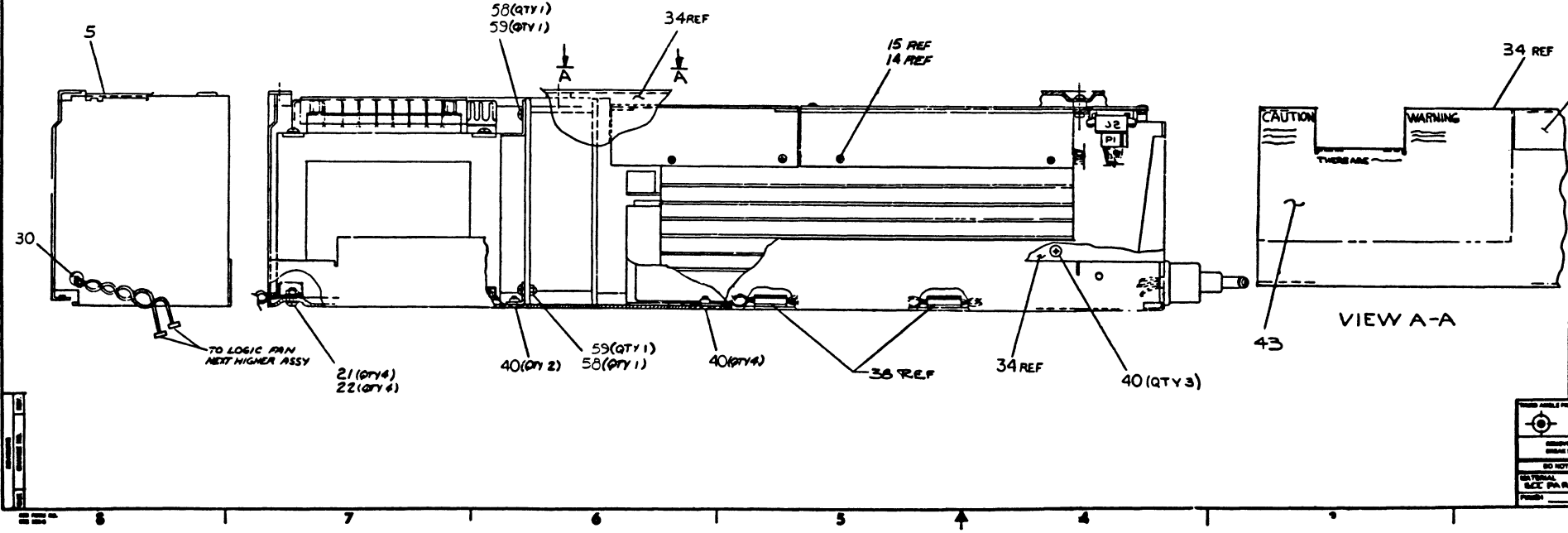
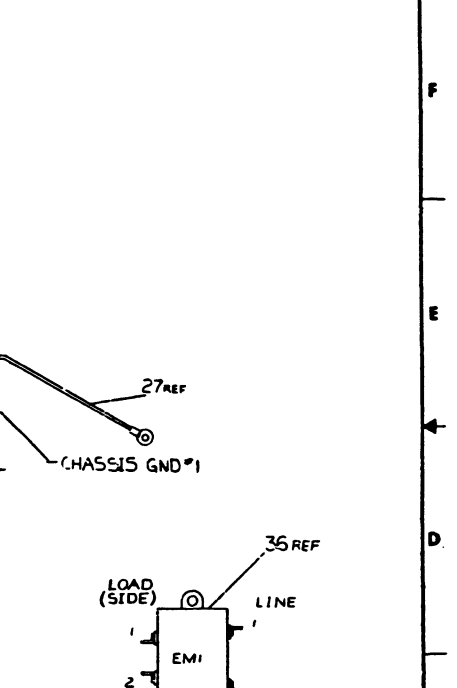
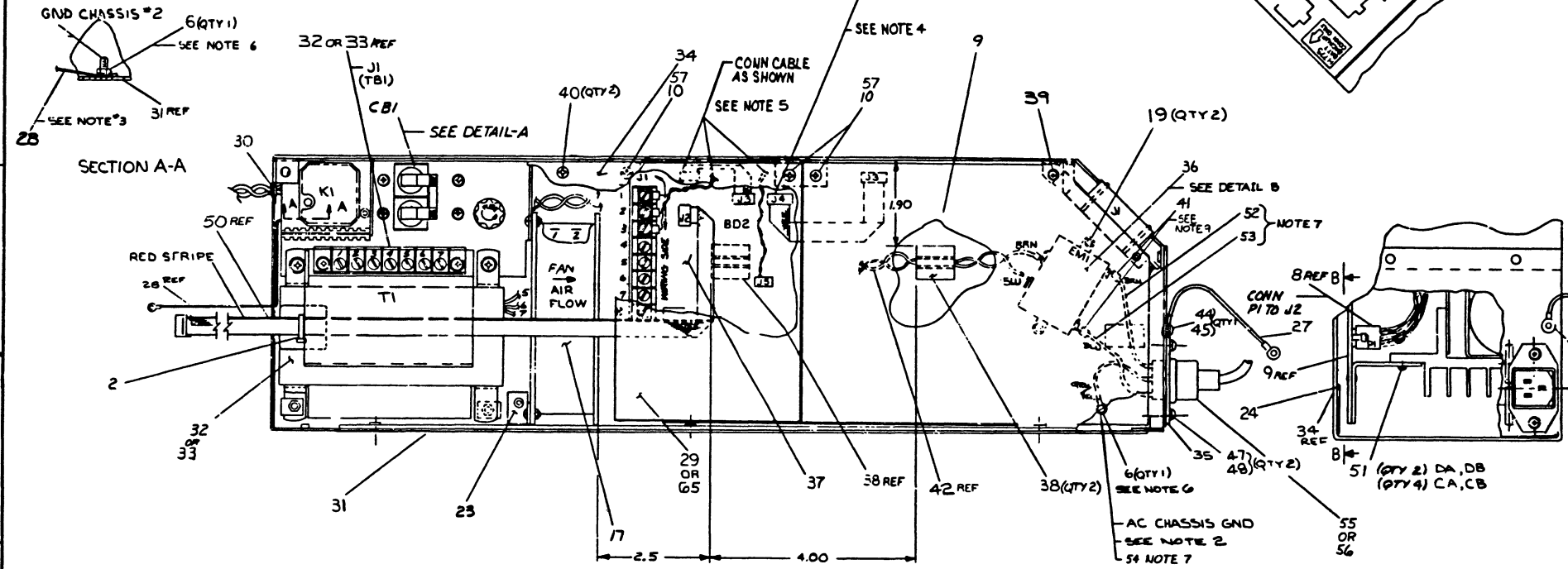
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WIRE TABLE									
ITEM NO	AWG	COLOR	CONNECTION	FROM	TO	REMARKS	PART NO	VARIATION	
53	14	BLU	ITEM 35	SLW	BRN LINE -1	AC LINE CORD	H777-DB	P.S. MOS ONLY 115V	
52	14	BRN	ITEM 35	SLW	BRN LINE -2	AC LINE CORD	H777-DB	P.S. MOS ONLY 230V	
54	14	GRN/YL	ITEM 35	SLW	AC GND CHASSIS	AC LINE CORD	H777-CB	P.S. CORE/MOS 115V	
4	14	BLU	TI-5	-	J1-7 (BD2)	-	H777-UA	P.S. ± 15V/MOS 115V	
64	18	GRN	TI-6	-	J1-6 (BD2)	-	H777-UB	P.S. ± 15V/MOS 230V	
72	18	BLU	TI-7	-	J1-8 (BD2)	-			
18	18	GRN	-	-	J1-6 (BD1)	-			TO RELAY COIL
19	18	BLK	-	-	J1-5 (BD1)	-			
18	18	WHT	-	-	FAN-1	-			POWER SUPPLY FAN POWER
2	18	BLK	-	-	FAN-2	-			
26	16	GRN/YL	GND CHASSIS	6	-	-			CONSOLE GND
27	16	GRN/YL	GND CHASSIS	6	-	-			CHASSIS GND
14	14	BLK	ITEM #29	-	J1-3 (BD2)	-	H777-CA		FROM CORE REG
14	14	GRN	ITEM #29	-	J1-2 (BD2)	-	H777-CB		FROM CORE REG
14	14	BRN	ITEM #29	-	J1-1 (BD2)	-			FROM CORE REG
42	14	BRN	EMI-2 LOAD	41	CBX(2) LINE	41			
		TWP	BLU EMI-1 LOAD	41	CBX(1) LINE	41			
					J1-3 (BD2)	-	H777-UA		FROM ±15
					J1-2 (BD2)	-	H777-UB		FROM ±15
					J1-1 (BD2)	-			FROM ±15



- NOTES:
1. APPLY SELF STICK INS SHEET (ITEM #34) TO UNDER SIDE OF POWER SUPPLY COVER IN AREA OF HEAT SINKS (CORE, MOS REGS) ± 15 REGS.
 2. APPLY SELF STICK ITEM 26 BESIDE THIS GND STUD.
 3. ITEM 26 IS A GND CABLE TO GND THE FRONT PANEL CASTINGS FOR MOS AND CORE REGULATORS.
 4. CABLE PART OF ITEM #9.
 5. CABLE & WIRES ARE PART OF ITEM #29 OR #45.
 6. ITEM #6 (METRIC NUT M4) CAN BE USED AS A REPLACEMENT IN FIELD IF NECESSARY.
 7. INSTALL ITEM #41 OVER SOLDER ENDS PRIOR TO SOLDERING.
 8. POSITION ITEM #64 PARALLEL WITH AND THE TOP EDGE ON THE SAME PLANE AS THE TOP EDGE OF ITEM #43.
 9. ADD SHRINK TUBING OVER EXPOSED PART OF FASTON CONNECTOR.



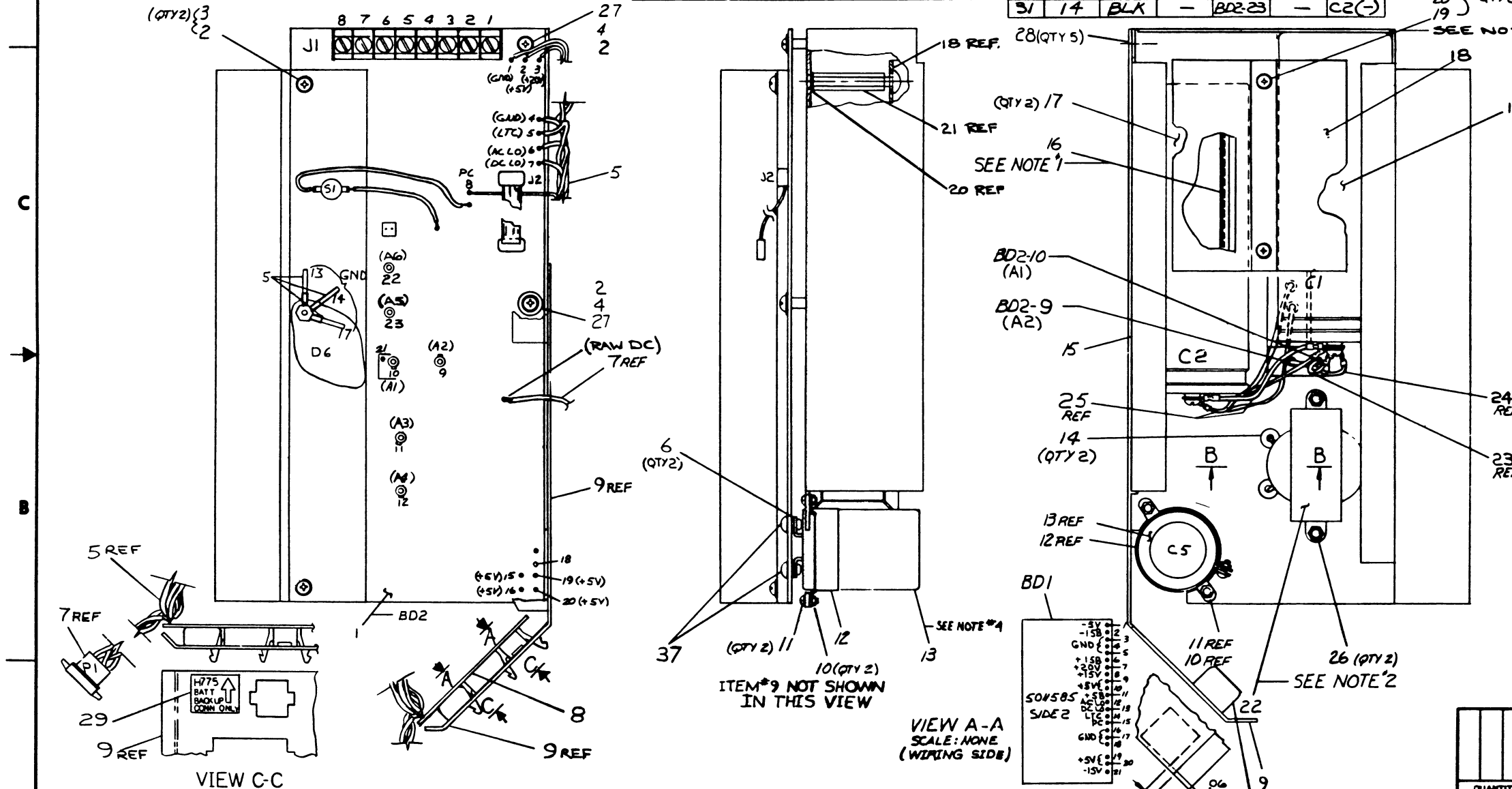
CAUTION
UNIT ASSEMBLY FOR OPTIONS: CA, CB, DA, AND DB, UA, AND UB ONLY.
SEE SHEET 1 FOR OPTIONS AA, AB, BA, AND BB.

OFF SHEET PARTS LIST SEE: A-D-H777-0-0

ITEM NO	DESCRIPTION	QUANTITY	REMARKS
1	POWER SUPPLY ASSY (H777)	1	
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ITEM DESCRIPTION FROM TO							ITEM DESCRIPTION FROM TO							ITEM DESCRIPTION FROM TO								
ITEM NO	AWS	COLOR	POINT NO	CONN	POINT NO	CONN	ITEM NO	AWS	COLOR	POINT NO	CONN	POINT NO	CONN	ITEM NO	AWS	COLOR	POINT NO	CONN	POINT NO	CONN		
5	20	WHT	1	B02-8	18	B01-15	5	14	BLK	28	B02-13	11	B01-4	7	18	GRY	4	B01-8	* 9	—		
	14	BRN	2	1	9	1			RED	29	15	14	9			18	WHT	5	B01-6	* 10	—	
	14	BLK	3		12	5			RED	26		19	15		9		14	RED	6	B02-21	* 13	—
	14	ORN	4		13	7			BLK	25		14	21		17		18	GRN	7	B01-2	12	—
	20	BRN	5		19	14			RED	24		16	22		19	25	14	GRN	—	C1(+)	—	C2(+)
	20	BLK	6		20	16			14	RED	27	B02-20	23		B01-20	25	14	GRN	—	C1(-)	—	C2(-)
	20	YEL	7		16	12	7	18	BLU	1	B01-21	* 11	—	23	14	RED	—	B02-10	—	C1(+)		
	20	VIO	8		17	13		14	BLK	2	B01-18	* 8	—	24	14	BLK	—	B02-9	—	C1(-)		
14	BLK	30	B02-17	10	B01-3	18		RED	3	B01-11	* 14	—	22	—	BARE	—	—	—	B02-11			
30	14	RED	—	B02-22	—	C2 (+)	30	14	RED	—	B02-22	—	C2 (+)	30	14	RED	—	B02-22	—	C2 (+)		

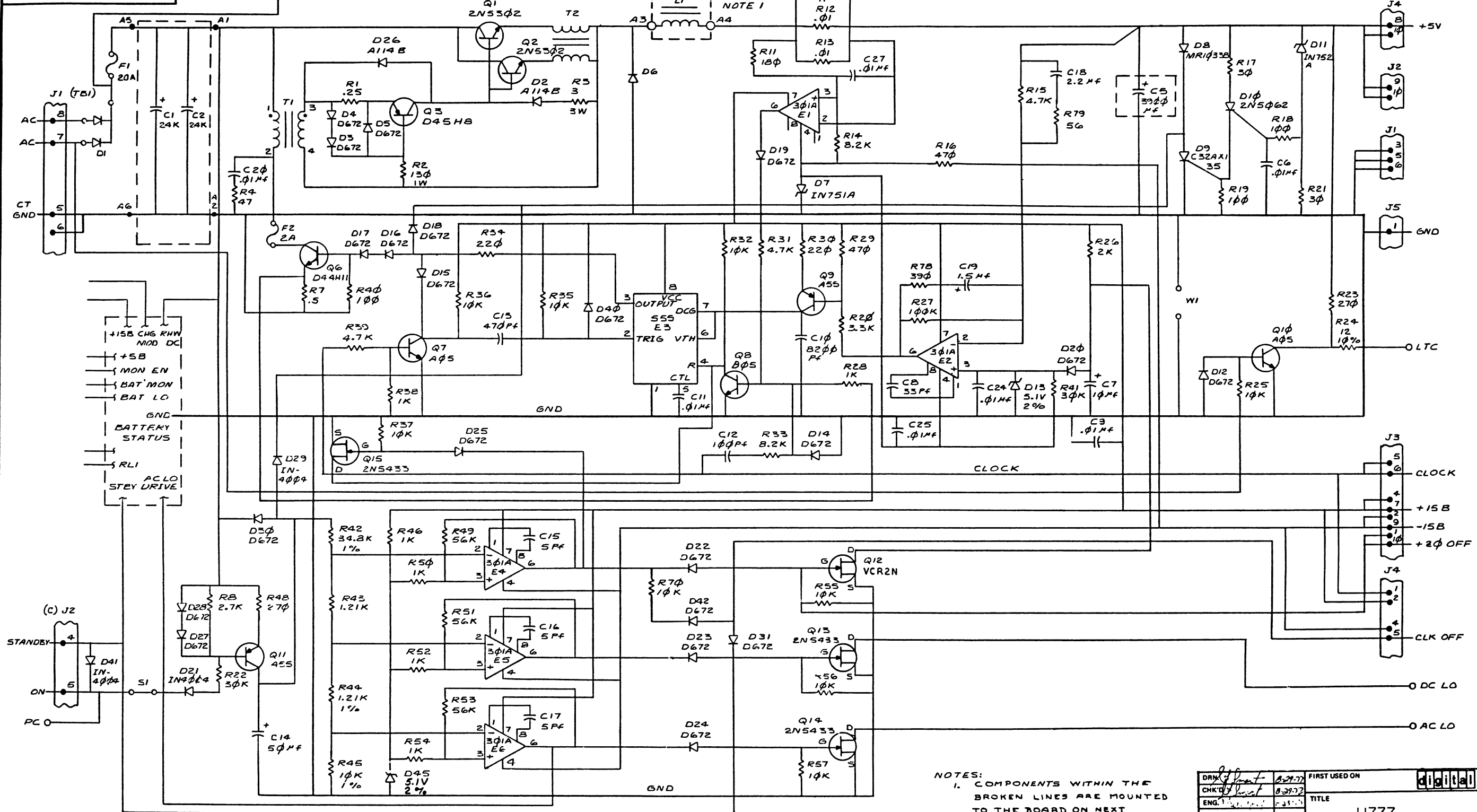


- SEE NOTE 2

VIEW C-C

CHRG	CHARGE NO.	REV.
	H777-B-000006	A
	2nd 2000-12-12 2000-12-12	
	R. COURTMANCHE	
	2nd 2000-12-12 2000-12-12	
	H777-00002	B
	2nd 2000-12-12 2000-12-12	
	B. COURTMANCHE	
	2nd 2000-12-12 2000-12-12	
	0017012909-000001	C
	2nd 2000-12-12 2000-12-12	
	R. DAY	
	2nd 2000-12-12 2000-12-12	
	0017012909-000002	D
	2nd 2000-12-12 2000-12-12	
	B. GUST	
	2nd 2000-12-12 2000-12-12	
	E. ROCHER	
	2nd 2000-12-12 2000-12-12	

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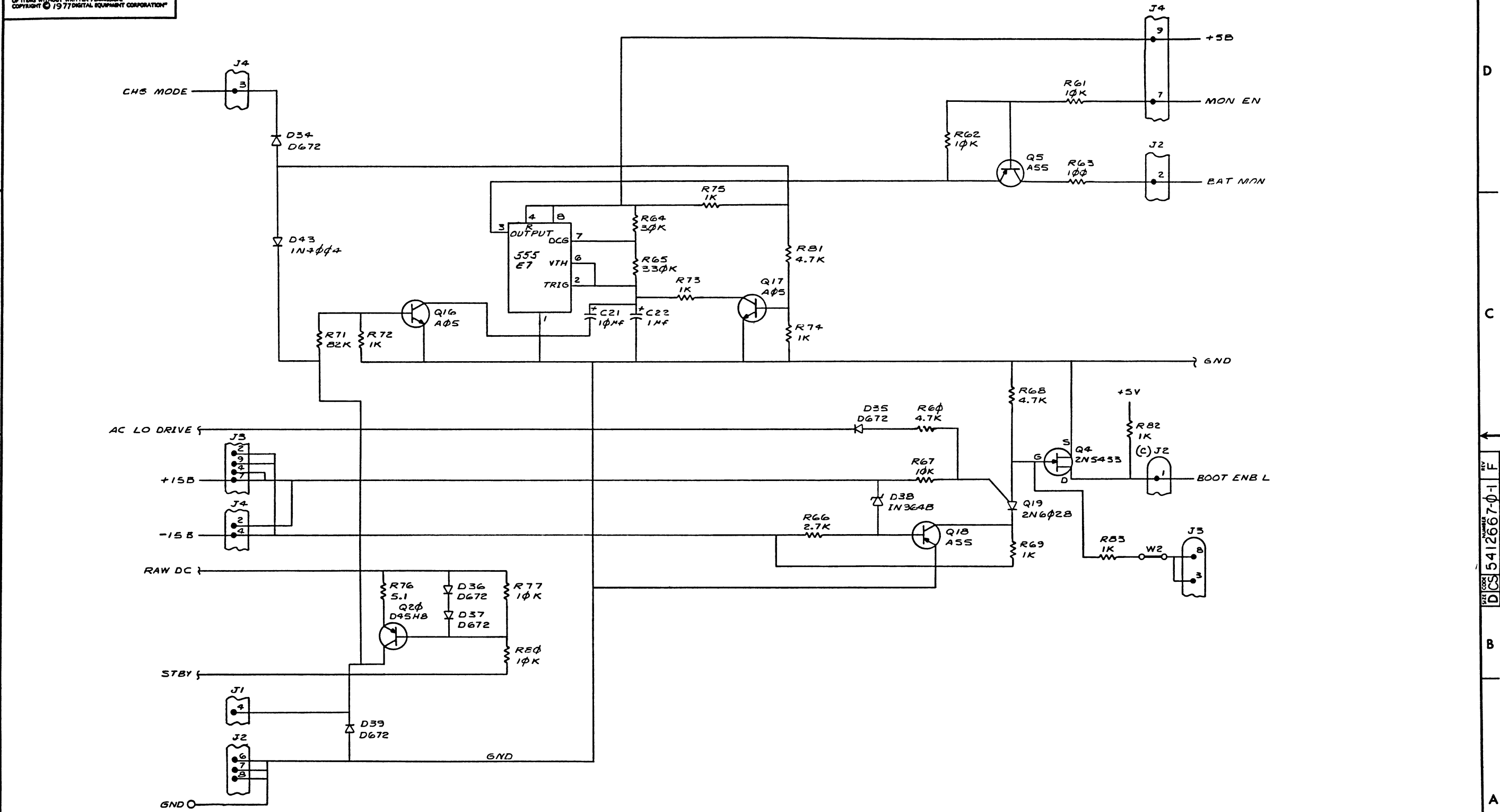


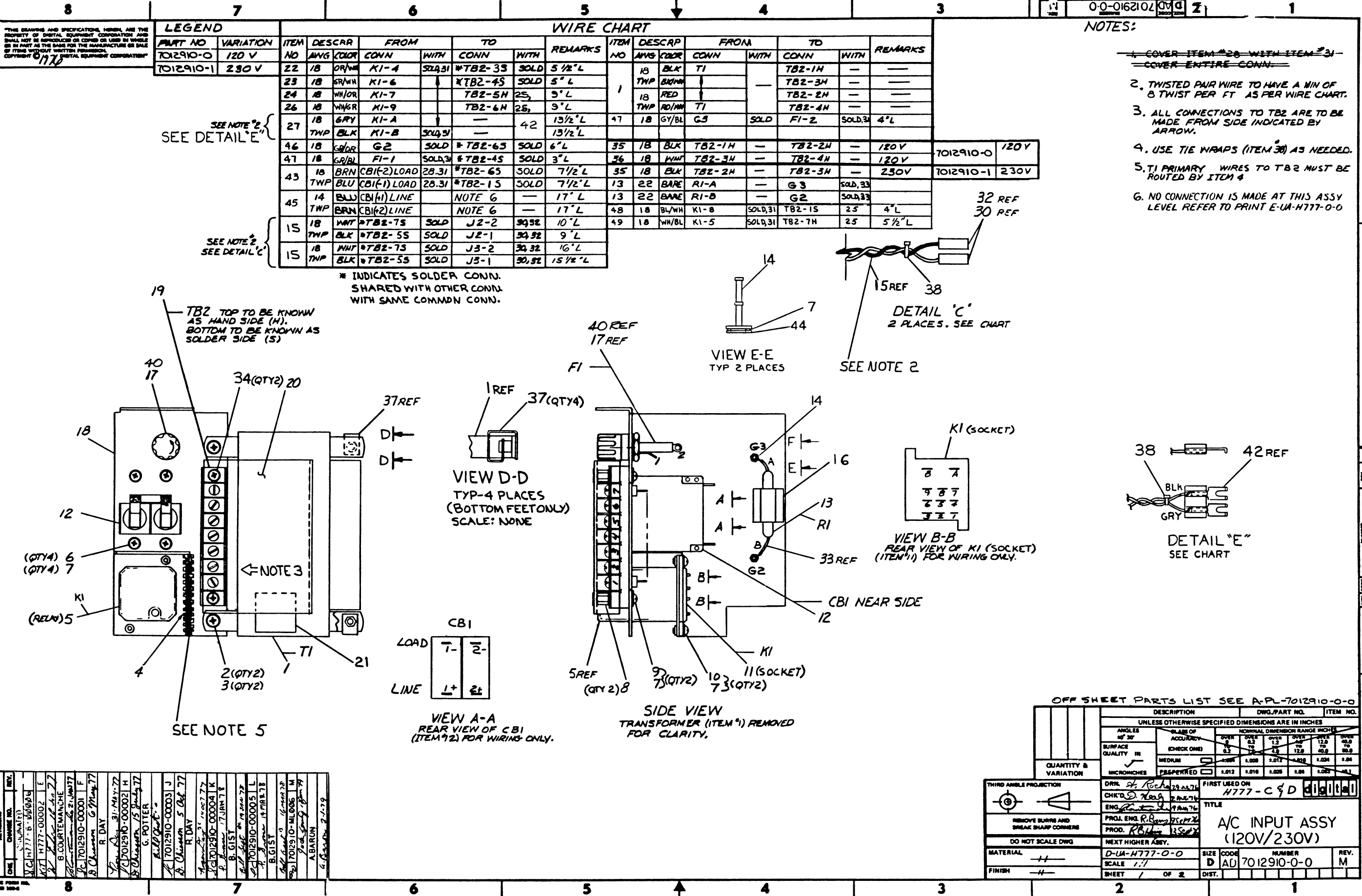
NOTES:
1. COMPONENTS WITHIN THE
BROKEN LINES ARE MOUNTED
TO THE BOARD ON NEXT
HIGHER ASS'Y.

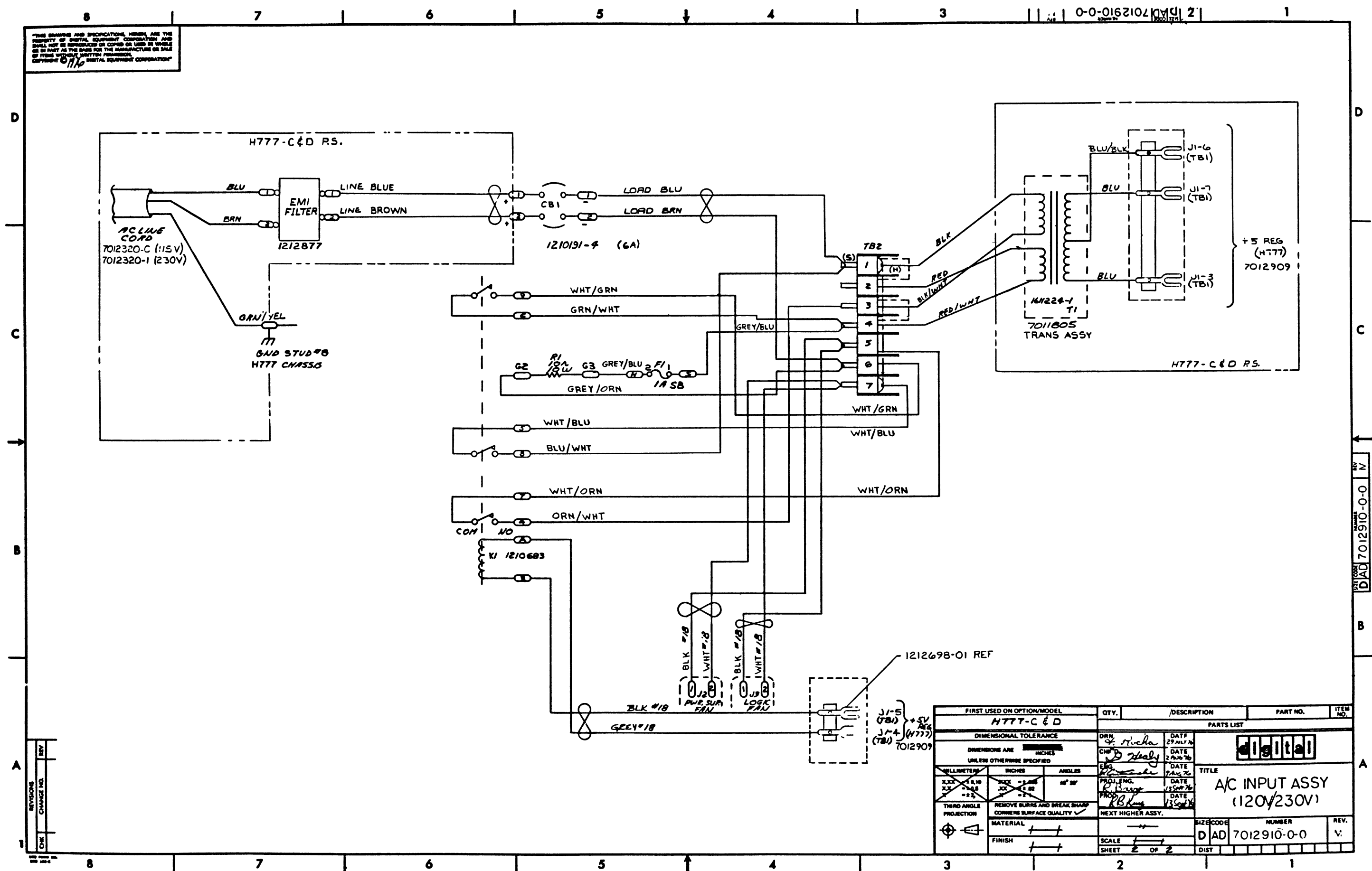
DRN	CHK'D	ENG.	PROJ. ENG.	PROD.	DATE	02-27-77	03-29-77	03-31-77	04-01-77	FIRST USED ON	TITLE	SIZE CODE	NUMBER	REV.
											H777 +5V REGULATOR	D	CS 5412667-0-1	F

REVISIONS														
CHK	CHANGE NO.	REV.												
Q1	5412667-00001	B	U1	5412667-00002	C	Q2	5412667-ML003	D	Q3	5412667-ML004	E	Q4	5412667-ML005	F
D. Zwicker 7/10/77			P. Gist 9/18/78			J. Anderson 10-30-78			Paula Linsley 11/1/77			Paula Linsley 11/17/77		
B. GIST			B. GIST			E. CROCKER			A. BARON			A. BARON		
Paul Gist 11/17/77			Paul Gist 12/07/78			A. Baron 11-17-77			G. Baron 1-22-79			A. Baron 2-26-79		

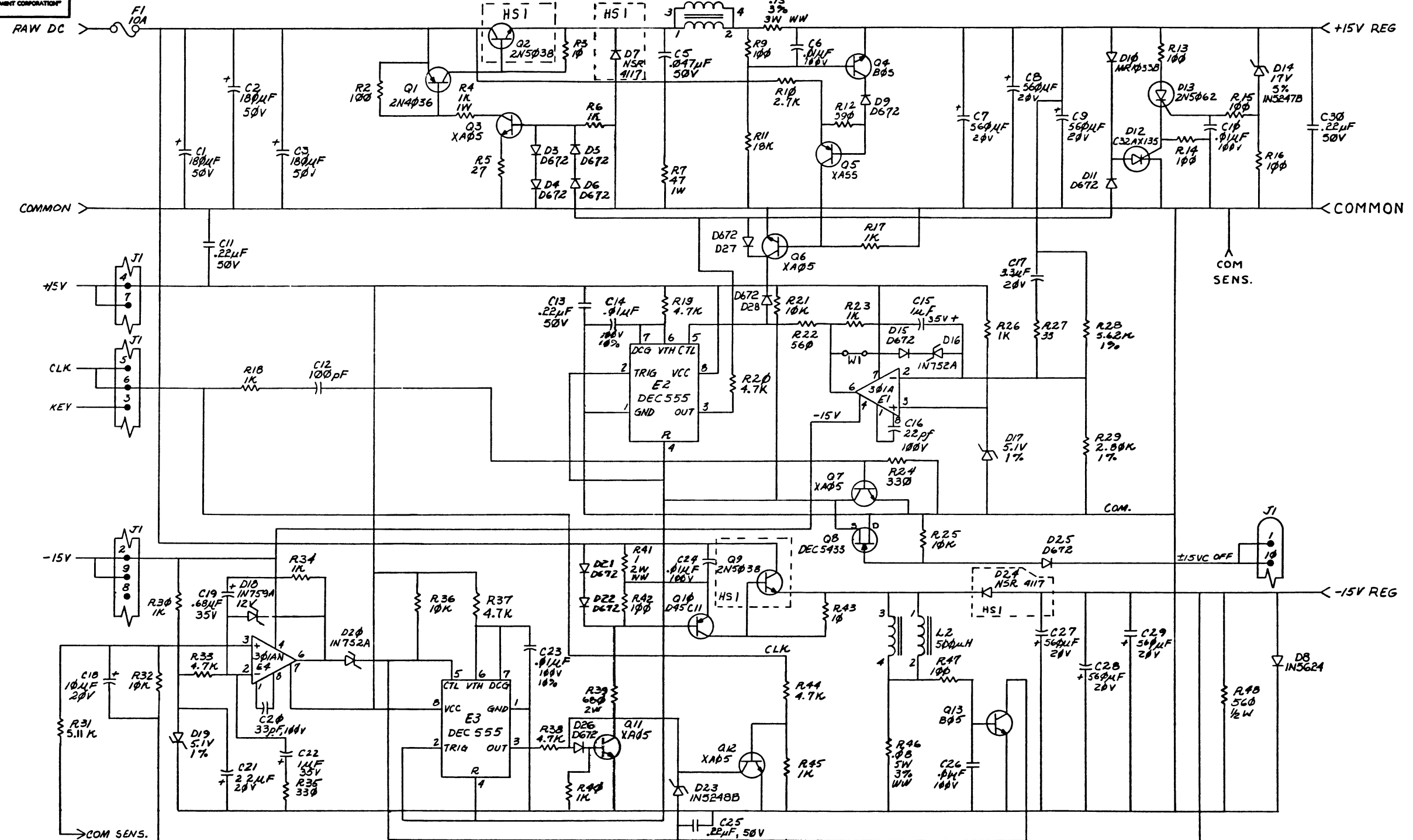
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REV.	CHG.	NO.	DATE
B		1	11-10-80
A		1	11-10-80

DRN	11/10/80	3/27/77	FIRST USED ON	H777-UA,UB
CHK'D			TITLE	±15V REGULATOR
ENG.	W. Wang	1 May 80	SIZE	D
PROJ. ENG.	W. Wang	1 May 80	CODE	CS 5413764-0-1
PROD.	1 May 80		NUMBER	B
NEXT HIGHER ASSY.			REV.	
B-DD-5413764-0			SCALE	
SHEET	1	OF	DIST.	

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00		
1	1	D-UA-5413764-0-0		UNIT ASSY	REF		
2	2	D-CS-5413764-0-1		CKT SCHEMATIC	REF		
3	3		5013763-00	DRILL & ETCH BRD	1		
4	4		1000009-00	33.0 MMF 100V 5%200PPM MICA	1		C20
5	5		1000016-00	100.0 MMF 100V 5%200PPM MICA	1		C12
6	6		1001610-01	.01 MFD50/100V +80-20% DISC	4		C6, C10, C24, C26
7	7		1001776-00	1 MFD 35V 10% S. TANT	2		C15, C22
8	8		1002627-00	2.2MFD 20V 10% S. TANT	1		C21
9	9		1004813-00	10 MFD 20V 10% S. TANT	1		C18
10	10		1005334-00	3.3MFD 20V 10% S. TANT	1		C17
11	11		1005784-00	.01 MFD 100V 200V 10% MYL	2		C14, C23
12	12		1005820-00	22.0 MMF 100V 5%200PPM MICA	1		C16
13	13		1009964-00	.68 MFD 35V 10% S. TANT	1		C19
14	14		1010274-01	.22 MFD 50V +80-20% Z5U CER	4		C25, C30, C11, C13
15	15		1010978-32	.047 MFD 50V 10% CER	1		C5
16	16		1012607-00	560 MFD 20V+100-10% AL EL	6		C7-C9, C27-C29
17	17		1012607-02	180 MFD 50V+100-10% AL EL	3		C1-C3
18	18		1102808-00	1N 752A VZ= 5.6 5% .40W	2		D16, D20
19	19		1103341-00	MR1033B PIV=300 I= 3A Z44 SM	1		D10
20	20		1105275-00	D 672 TR= 15NS PIV= 60V SI	13		D3-D6, D9, D11, D15, D21, D22, D25, D26, D27, D28
21	22		1105871-00	1/4M5.1AZ1 = 5.1 1% .25W N	2	CONT	D17, D19
22	26		1110420-00	1N 5624 PIV=200 I= 5A	1		D8
23	21		1110766-00	1N 5248B VZ= 18.0 5% .50W	1		D23
29	29		1213071-02	INSULATOR, RUBBER SILICONE SM	2		F1

REVISION HISTORY		BASIC PART NO: 5413764		DRN:	PAUL NORMAN	DATE:	07-JAN-80	D I G I T A L			
ENG:	ECO NUMBER	REV	SECTION A OF A	CHK'D:	P.BOSSMAN	DATE:	08-JAN-80	TITLE			
---	INITIAL	A	SECTION VARIATION INDEX					PARTS LIST			
WB	5413764-TW001	B	[A] 00					PLUS/MINUS 15V REGULATOR			
			[B]	DES.ENG:	W.BAUSHA	DATE:	08-JAN-80	DOCUMENT NUMBER			
			[C]								
			[D]	RESP.ENG.:	W.BAUSHA	DATE:	18-MAR-80	SIZE CODE NUMBER REV			
			[E]								
			[F]	MFG.ENG.:	JOSE OLIVENCIA	DATE:	18-MAR-80	K PL 5413764-0-DBP B			
			[G]								
			[H]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME: EDIT #			
			[I]	D-UA-5413764-0-0		B-DD-5413764-0-0		20234B.PLS 35			
			[J]								
			[K]								
			[L]								
			[M]								
			[N]								

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LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00		
30	30		1213071-05	INSULATOR,RUBBER THERMAL	2		
31	45		1300197-00	33.0 .25 W 5.0 % CC	1		R27
32	32		1300229-00	100.0 .25 W 5.0 % CC	8		R2,R9,R13-R16,R42,R47
33	31		1300250-00	*** THIS ITEM IS NOT USED ***	-		
34	34		1300295-00	330.0 .25 W 5.0 % CC	2		R35,R24
35	35		1300309-00	390.0 .25 W 5.0 % CC	1		R12
36	36		1300338-00	560.0 .50 W 5.0 % CC	1		R48
37	37		1300348-00	680.0 2.0 W 5.0 % CC	1		R39
38	38		1300365-00	1.0 K .25 W 5.0 % CC	9		R6,R17,R18,R23,R26,R30,R34,R40, R45
39	39		1300368-00	1.0 K 1.0 W 5.0 % CC	1	CONT	R4
40	40		1300426-00	2.70 K .25 W 5.0 % CC	1		R10
41	41		1300447-00	4.70 K .25 W 5.0 % CC	6		R19,R33,R37,R38,R44,R20
42	42		1300479-00	10.0 K .25 W 5.0 % CC	3		R21,R25,R36
43	43		1301317-00	10.0 .25 W 5.0 % CC	2		R3,R43
44	44		1301522-00	27.0 .25 W 5.0 % CC	1		R5
45	81		1301890-00	560.0 .25 W 5.0 % CC	1		R22
46	33		1302199-00	47.0 1.0 W 5.0 % CC	1		R7
47	46		1302465-00	18.0 K .25 W 5.0 % CC	1		R11
48	47		1305128-00	5.62 K .25 W 1.0 % RN55D-F10	1		R28
49	48		1305145-00	2.80 K .25 W 1.0 % RN55D-F10	1		R29
50	49		1305428-00	1.0 2.0 W 5.0 % WW	1		R41
51	50		1311603-00	.08 5.0 W 3.0 % WW	1		R46
52	51		1304854-00	5.11 K .25 W 1.0 % RN55D-F10	1		R31
53	52		1316597-00	.15 3.0 W 3.0 % WW	1		R8
54	53		1509700-00	2N 4036 PNP 7WC SI 80100 M	1		Q1
55	54		1510705-00	XA 05 NPN 500MW SI 60 50 P	5		Q3,Q6,Q7,Q11,Q12
56	55		1510705-01	B 05 NPN 500MW SI 60 50 P	2		Q4,Q13
57	56		1510706-00	XA 55 PNP 500MW SI 60 50 P	1		Q5
58	57		1510928-00	C32AX135 SCR2100V I=25A	1		D12
59	58		1510969-00	2N 5038 NPN 140WC SI 90 50 Y	2		Q2,Q9
60	59		1511686-00	DEC5433 FET N 350MW 10 25 1A	1		Q8
61	60		1514431-00	D 45C11 PNP 30W SI 80 40	1		Q10
62	61		1612593-00	500 UH 6A	2		L1,L2
63	62		1910282-00	301AN OP AMP	2		E1,E4
64	63		1911944-00	555CN TIMER,FUNCT.BLOCK	2		E2,E3
65	80	D-MD-5013763-0-0		DRILL & ETCH BRD	REF		
66	64		7011414-0E	3M CABLE H777 CORE	1		J1
67	65	C-IA-7012546-0-0	7012546-00	TWO (2) WIRE CABLE	1		
68	66	C-IA-7012547-0-0	7012547-00	THREE (3) WIRE CABLE	1		
69	67	C-IA-7422935-0-0	7422935-00	HEAT SINK	1		HS1
70	68		9006013-01	SCREW,PAN,PHIL 4-40K 1/2 SS	4		
71	69		9006557-00	NUT,KEP 4-40X 1/4 AF	4		
72	72	(FOR Q1)	9007201-00	TRANSIPADS #10253	1		
73	73		9007815-00	TERM,LUG 1/4STUD LOCKING	1		
74	71		9007906-00	WASHER,LOCK,SPLIT .3340D X .200I	2		
75	74		9008172-00	WASHER,FLAT,SS .250 OD X .125 I	4		
76	76		9008440-00	BUSHING,INSUL,NYLON .2480D .125	2		

D	I	G	I	T	A	L	TITLE	PLUS/MINUS 15V REGULATOR	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	5413764-C-DBP	B

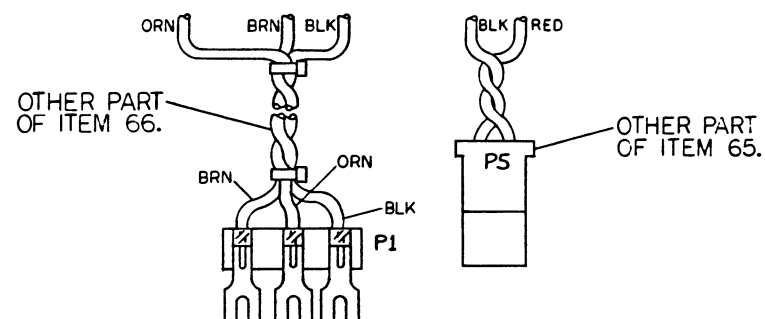
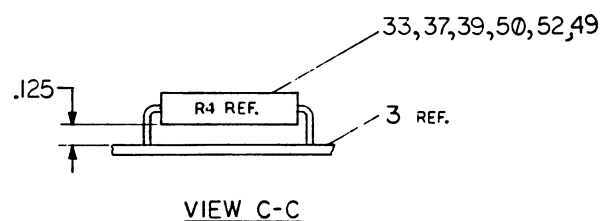
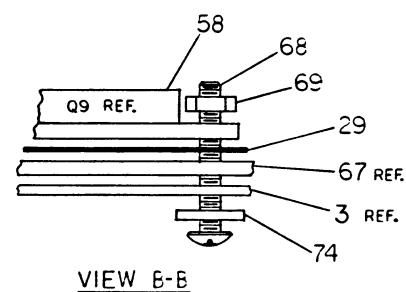
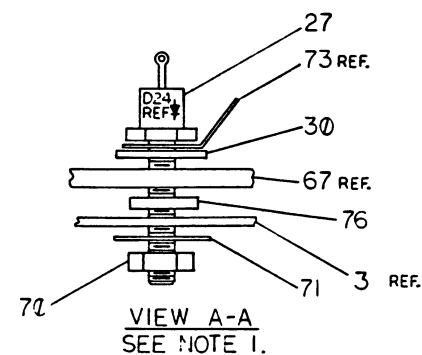
AUTOMATED BY PRTLST.3K(27)

PARTS LIST

SHEET A3 OF A3

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY 00	PER VARIATION	REFERENCE DESIGNATOR
77	70		9009005-00	NUT, HEX 10-32 X 1/4 AF X 3	2		
78	77		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	1		W1
79	78	(USED UNDER D12)	9009222-00	CLIP, SCR, ADAPTOR	1		
80	82		9107360-22	WIRE, STRND, 18AWG, IPVC UL1429	A/R		
81	79		9107430-02	WIRE, STRND, 18AWG, IPVC (UL1429)	A/R		
82	83		1303312-00	10.0 K .25 W 1.0 % RN55D-F10	1		R32
83	84		9008880-00	TAPE, FIBER GLASS 1/2" X 66 FT.	A/R		
84	85		9105740-55	WIRE (WRAP) 30AWG UL1423	A/R		
85	86		9006731-00	EYELET, (BRASS NICKEL PLATED) .0	1		

D	I	G	I	T	A	L	TITLE	PLUS/MINUS 15V REGULATOR	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	5413764-0-DBP	B



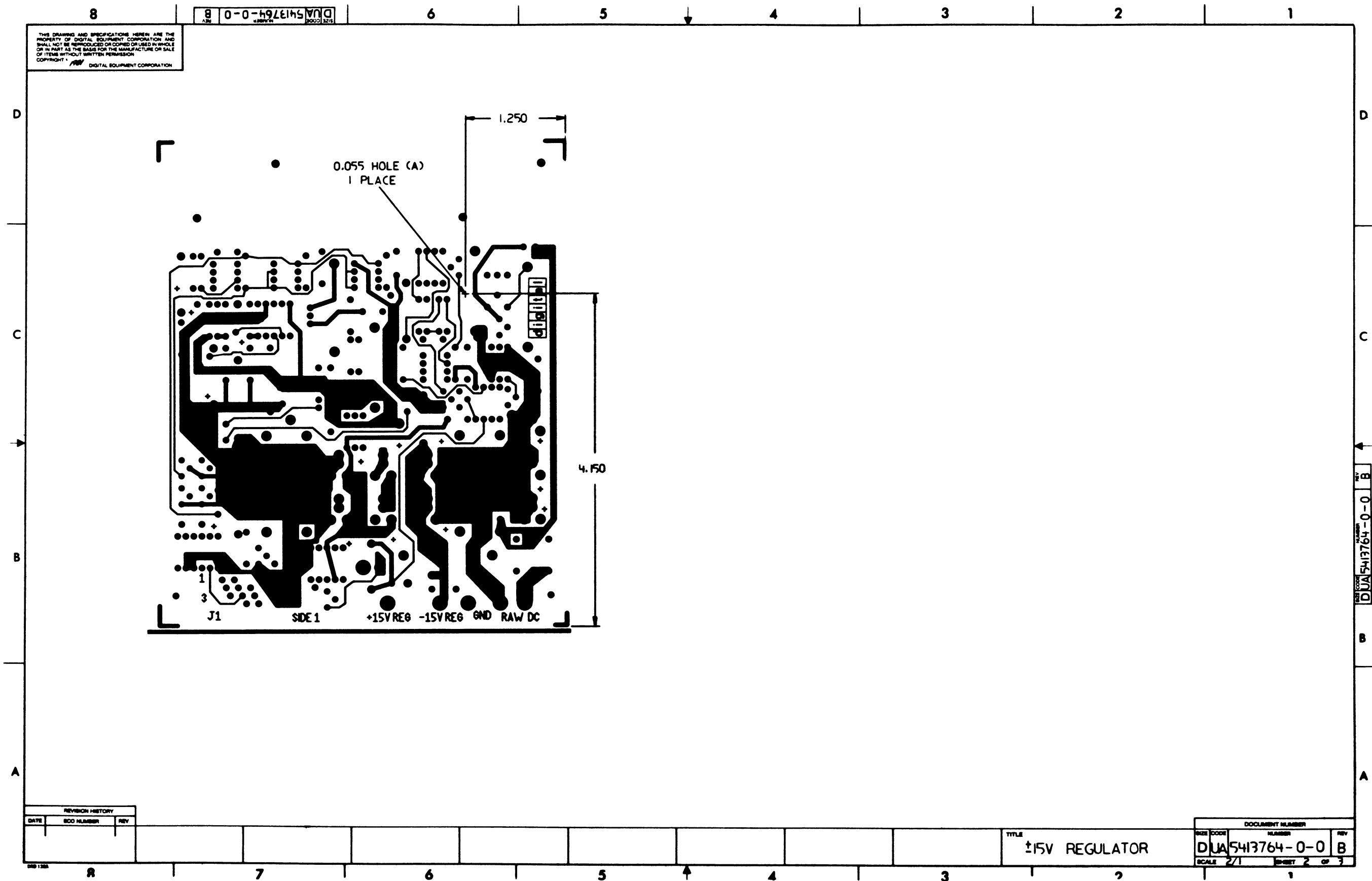
NOTES: 1. USE IDENTICAL HARDWARE FOR DZ,
LESS ITEM 73.
2. TORQUE RANGE FOR ITEMS 68 AND 69 IS
5 TO 6 INCH/POUNDS.
3. TORQUE RANGE FOR ITEMS 27 AND 70 IS
14 TO 16 INCH/POUNDS.
4. WIRE INSULATION MUST BE FLUSH WITH THE BD.

STEP #	→ Y AXIS	STEP	TIMES
REPEAT	→ X AXIS	STEP	TIMES

CHC	CHANGE	NO	REV
12	PH2TH-1W1	B	
13	PH2TH-1W1	B	
14	PH2TH-1W1	B	
15	PH2TH-1W1	B	
16	PH2TH-1W1	B	
17	PH2TH-1W1	B	
18	PH2TH-1W1	B	
19	PH2TH-1W1	B	
20	PH2TH-1W1	B	
21	PH2TH-1W1	B	
22	PH2TH-1W1	B	
23	PH2TH-1W1	B	
24	PH2TH-1W1	B	
25	PH2TH-1W1	B	
26	PH2TH-1W1	B	
27	PH2TH-1W1	B	
28	PH2TH-1W1	B	
29	PH2TH-1W1	B	
30	PH2TH-1W1	B	
31	PH2TH-1W1	B	
32	PH2TH-1W1	B	
33	PH2TH-1W1	B	
34	PH2TH-1W1	B	
35	PH2TH-1W1	B	
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37	PH2TH-1W1	B	
38	PH2TH-1W1	B	
39	PH2TH-1W1	B	
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98	PH2TH-1W1	B	
99	PH2TH-1W1	B	
100	PH2TH-1W1	B	

[illegible]

SIGNATURES		DATE	digital	
DRN.	<i>W. J. [unclear]</i>	5/1/80		
CHK'D.	<i>W. J. [unclear]</i>	5 June-79		
MECH. ENG.	<i>W. J. [unclear]</i>	5/1/80	TITLE	
PROJ. ENG.	<i>W. J. [unclear]</i>	5/1/80	±15V REGULATOR	
PROD.	<i>W. J. [unclear]</i>	5/1/80		
SCALE	2/1		SIZE	CODE
SHT.	1 OF 3		0	UA
NEXT HIGHER ASSY. 8-DD-5413764		0-0	NUMBER 5413764-0-0	
			RE B	



8	8 0-0-4943764-0 B			6	5	4	3	2	1																																											
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D	REWORK INSTRUCTIONS									D																																										
	WIRE ADDS																																																			
	0-1 ADD A WIRE AT J1 PIN2 TO FEED THRU LEFT OF R46.																																																			
	ECO#1																																																			
	1-2 INSTALL AN EYELET (ITEM 86) BY DRILLING A .055" HOLE. POSITION OF HOLE PER SHEET 2 OF UA DRAWING.																																																			
	1-3 ADD A DIODE (D27) FROM R20 PTH TO THE PTH OF Q6'S COLLECTOR. ANODE TO R20.																																																			
	1-4 ADD AN ECO WIRE (ITEM 85) FROM PTH OF Q6'S COLLECTOR TO THE EYELET (ITEM 86).																																																			
	1-5 ADD A DIODE D28 FROM R22'S PTH TO EYELET (ITEM 86). ANODE OF D28 TO D22.																																																			
C										C																																										
B										B																																										
A										A																																										
<table><tr><td colspan="3">REVISION HISTORY</td><td colspan="4"></td><td colspan="3">DOCUMENT NUMBER</td></tr><tr><td>DATE</td><td>ECO NUMBER</td><td>REV</td><td></td><td></td><td></td><td></td><td></td><td>SIZE CODE</td><td>NUMBER</td><td>REV</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>D UA</td><td>5413764-0-0</td><td>B</td></tr><tr><td colspan="8"></td><td>SCALE</td><td>NONE</td><td>SHEET 3 OF 3</td></tr></table>										REVISION HISTORY							DOCUMENT NUMBER			DATE	ECO NUMBER	REV						SIZE CODE	NUMBER	REV									D UA	5413764-0-0	B									SCALE	NONE	SHEET 3 OF 3
REVISION HISTORY							DOCUMENT NUMBER																																													
DATE	ECO NUMBER	REV						SIZE CODE	NUMBER	REV																																										
								D UA	5413764-0-0	B																																										
								SCALE	NONE	SHEET 3 OF 3																																										
8	7	6	5	4	3	2	1	TITLE ±15V REGULATOR																																												

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B-DD-Ball-A-O	Drawing Directory
E-UA-Ball-A-O	Unit Assy.
A-PL-Ball-A-O	Parts List
E-AD-7016391-0-0	Ball-A Box Assy.
B-PL-7016391-0-0	Part List
C-IA-7016901-0-0	Fan Power Harness
D-AD-7016472-0-0	Fan Tray Assy.
MP00833	H7140 Power Supply
D-AD-7016888-0-0	Power Distribution Bd. Assy
D-UA-5413632-0-0	Power Distribution Bd.
D-CS-5413632-01	Circuit Schematic (PWR Distribution BD)
E-AD-7016493-0-0	Ball Box Frame Assy

BALL-AA
BALL-AB

Digital Equipment Corporation
MP00832

REVISIONS	REV.		USED ON OPTION/MODEL	DRN.	DATE	digital TITLE: BA11-A Box Assembly								
	CHG. NO.				<i>JRM</i>									30 June 79
	DATE				CHK'D									DATE
					<i>RKL</i>									8/7/79
					PROJ. ENG.									DATE
					<i>JRM</i>									8/1/79
					FIELD SERV.	DATE								
SHEET 1 OF 1					SIZE	CODE	NUMBER				REV.			
				B	TC	BA11-A-1				*				
				DIST.										

TW

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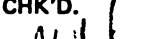
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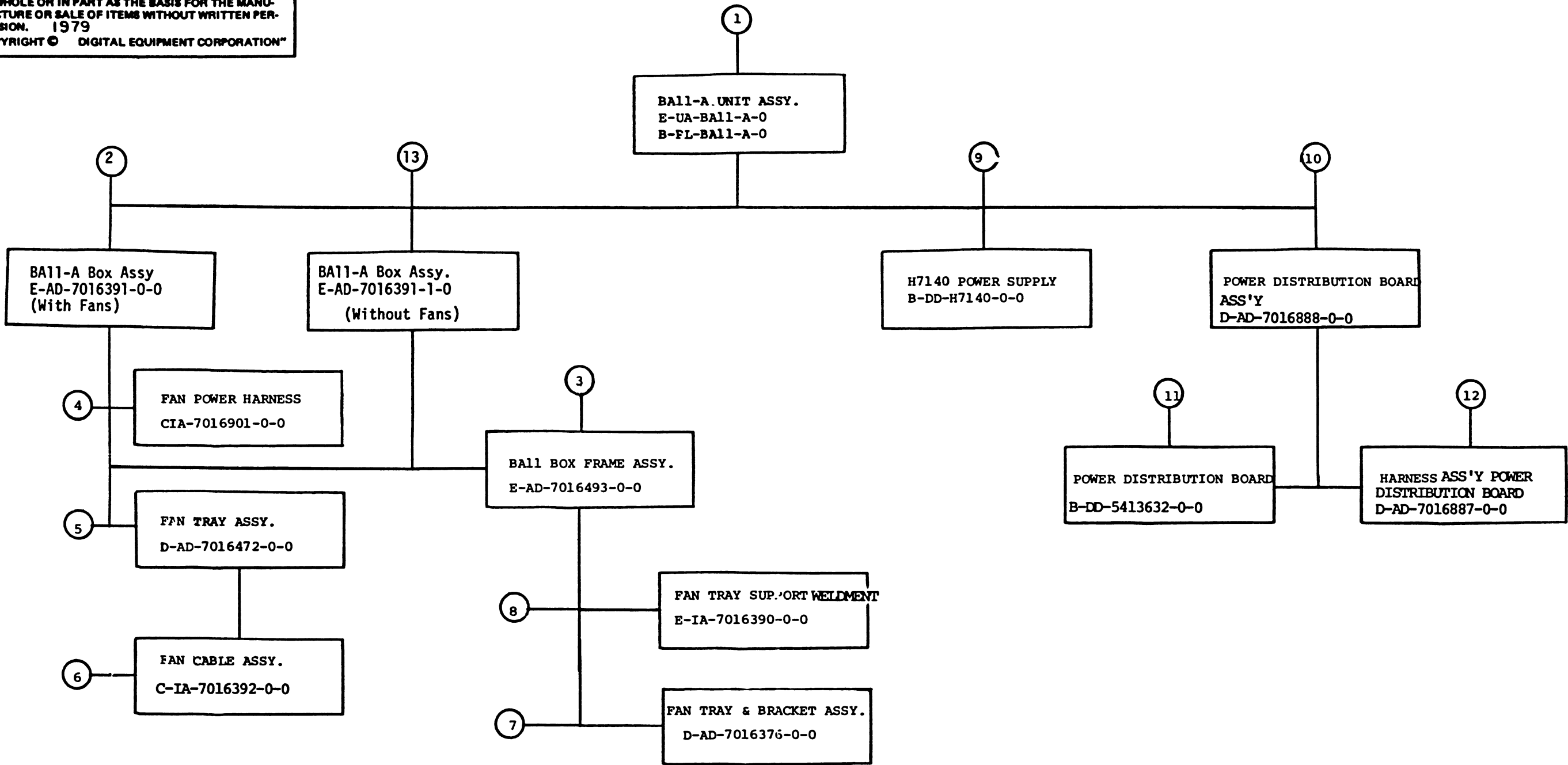
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REVISIONS	REV.	
	CHANGE NO.	
	CHK	

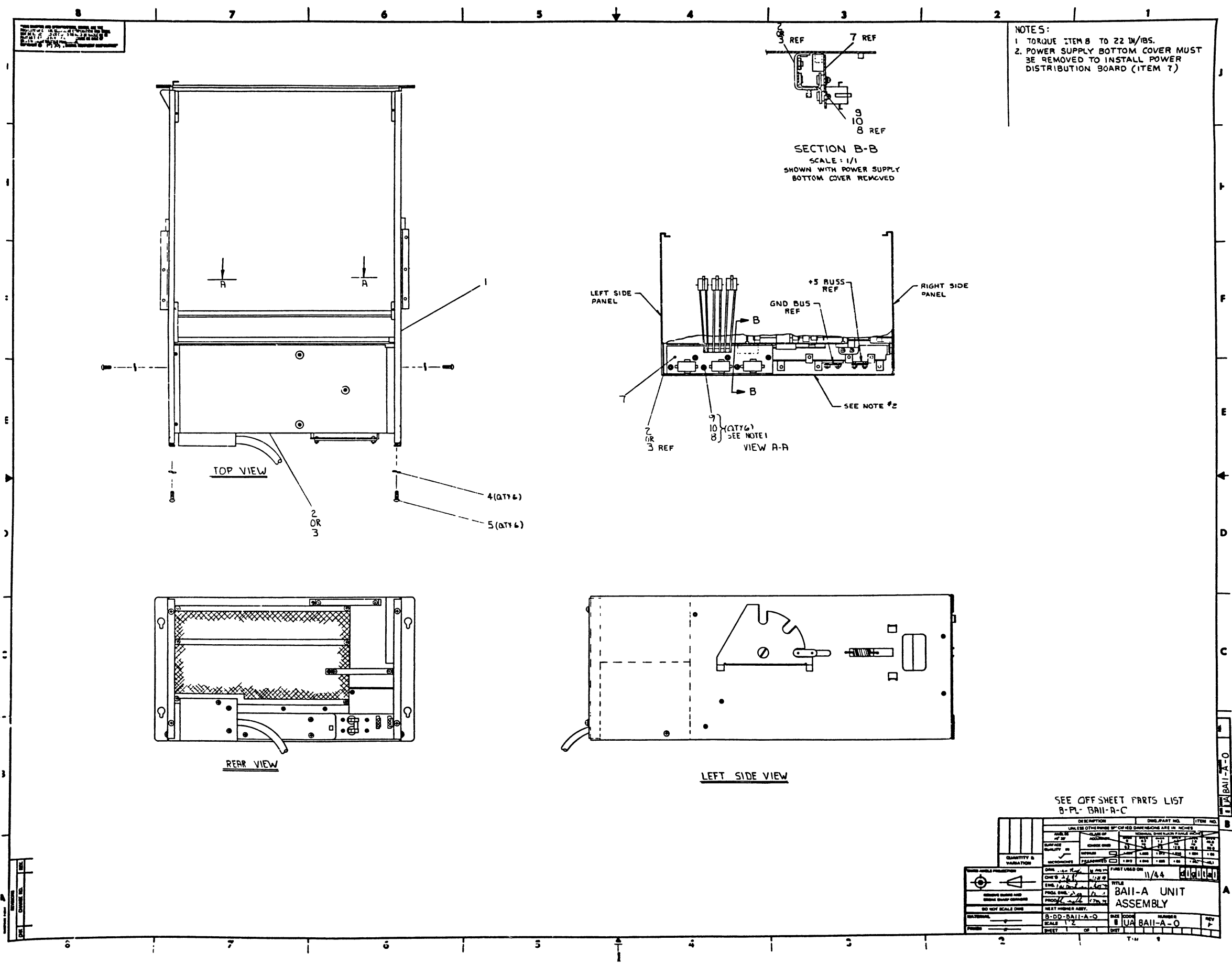
USED ON OPTION/MODEL	DRN.	DATE	TITLE Ball-A UNIT ASSY. digital										
11/44	John Nagle	1 May79											
	CHK'D.	DATE											
		7/2/79											
	PROJ. ENG.	DATE											
		7/3/79											
	PROD.	DATE											
		29 JUN 79											
SHEET 1 OF 3	DIST.												

SIZE	CODE	NUMBER						REV
B	DD	Ball-A-0						*

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FIND NO.	DRAWING NO.	DESCRIPTION	TYPE	FIND NO.	DRAWING NO.	DESCRIPTION	TYPE		
1	E-UA-Ball-A-0	BAll-A UNIT ASSY.	E/M	9	B-DD-H7140-0-0	H7140 POWER SUPPLY DRAWING DIRECTORY	REF		
	B-PL-BAll-A-0	BAll-A PARTS LIST	REF						
2	E-AD-7016391-0-0	BAll-A BOX ASSY. (with fans)	E/M						
	D-PS-1216189-0-0	RETRACTOR SLIDE PAWL	M	10	D-AD-7016888-0-0	POWER DISTRIBUTION BOARD ASSY.	E/M		
	B-PS-1216190	SPRING SLIDE PAWL	M	11	B-DD-5413632-0-0	POWER DISTRIBUTION BOARD	E		
	B-MD-7421611-0-0	SLIDE PAWL	M	12	D-AD-7016887	CABLE HARNESS ASS'Y POWER DISTRIBUTION BOARD	E		
	B-MD-7421444-0-0	PLATE SLIDE NUT	M						
	D-MD-7421613-0-0	SLIDE INDEX PLATE (2)	M						
	B-PS-1216197-0-0	PIVOT SCREW	M						
	D-PS-1215848-0-0	CARD GUIDE	M						
	B-MD-7421612-0-0	BAR GUIDE MNTING	M						
				13	E-AD-7016391-1-0	BAll-A Box Assy, Without fans (Reference only)	REF		
3	E-MD-7016493-0-0	BAll BOX FRAME ASSY.	M						
	E-MD-7421631-0-0	SIDE PANEL LEFT	M						
	E-MD-7421441-0-0	CARD CAGE FRONT	M						
	D-MD-7421616-0-0	SPRING BOX LOCK	M						
	E-MD-7421610-0-0	SIDE PANEL RIGHT	M						
4	C-IA-7016901-0-0	FAN POWER HARNESS	E						
5	D-AD-7016472-0-0	FAN TRAY ASSY.	E/M						
6	D-IA-7016392-0-0	FAN CABLE ASSY.	E						
7	D-AD-7016376-0-0	FAN TRAY & BRACKET ASSY	M						
	D-MD-7421632-0-0	FAN TRAY	M						
	B-MD-7421387-0-0	BRACKET FAN TRAY CONN	M						
8	E-AD-7016390-0-0	FAN TRAY SUPPORT WELDMENT	M						
	E-MD-7421634-0-0	FAN TRAY SUPPORT FRONT	M						
	E-MD-7421633-0-0	FAN TRAY SUPPORT REAR	M						
TYPE: E ELECTRICAL M MECHANICAL E/M ELECTRO/MECHANICAL				TITLE Ball-A UNIT ASSY.		SHEET 3 OF 3	SIZE CODE B DD	NUMBER BALL-A-0	REV *

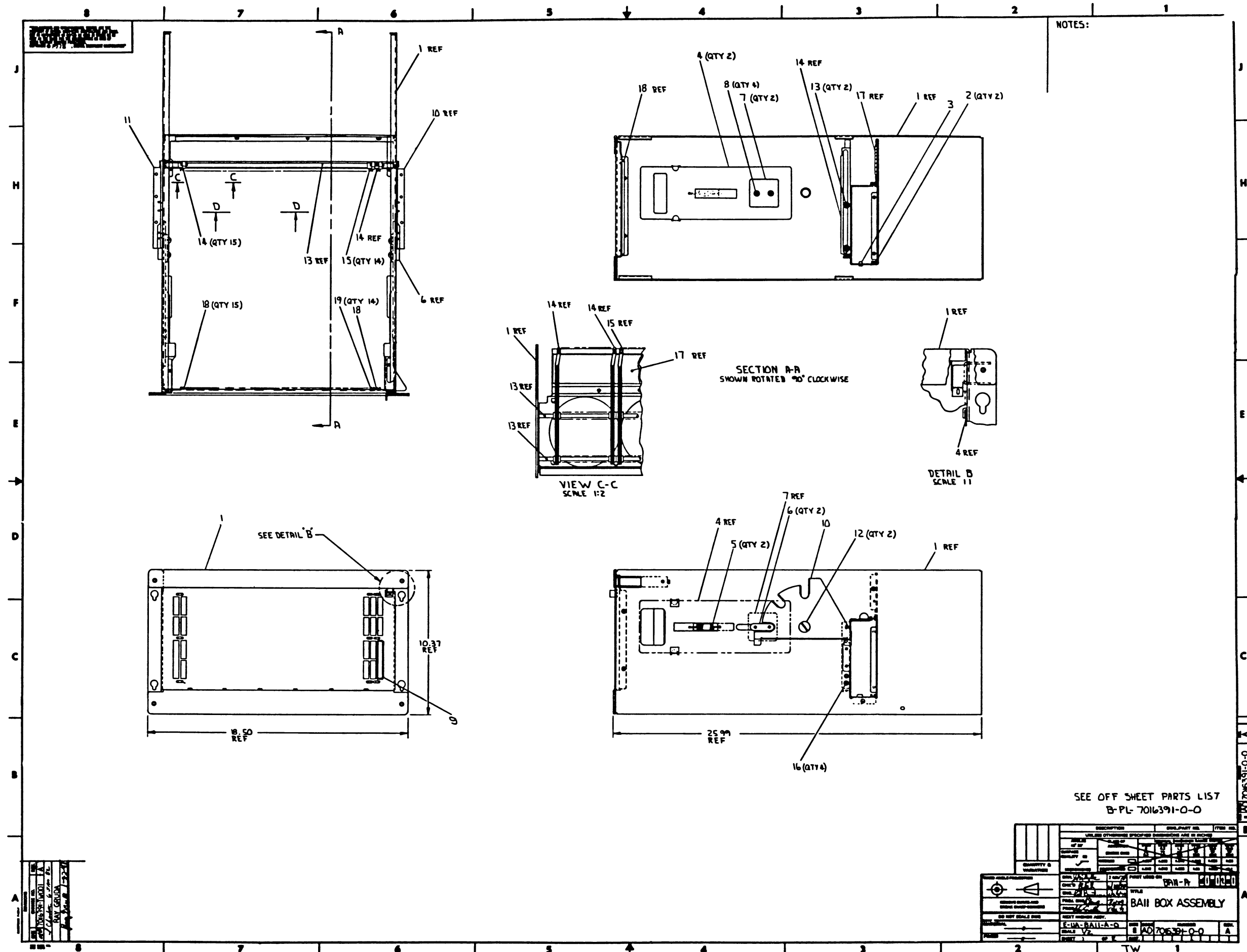


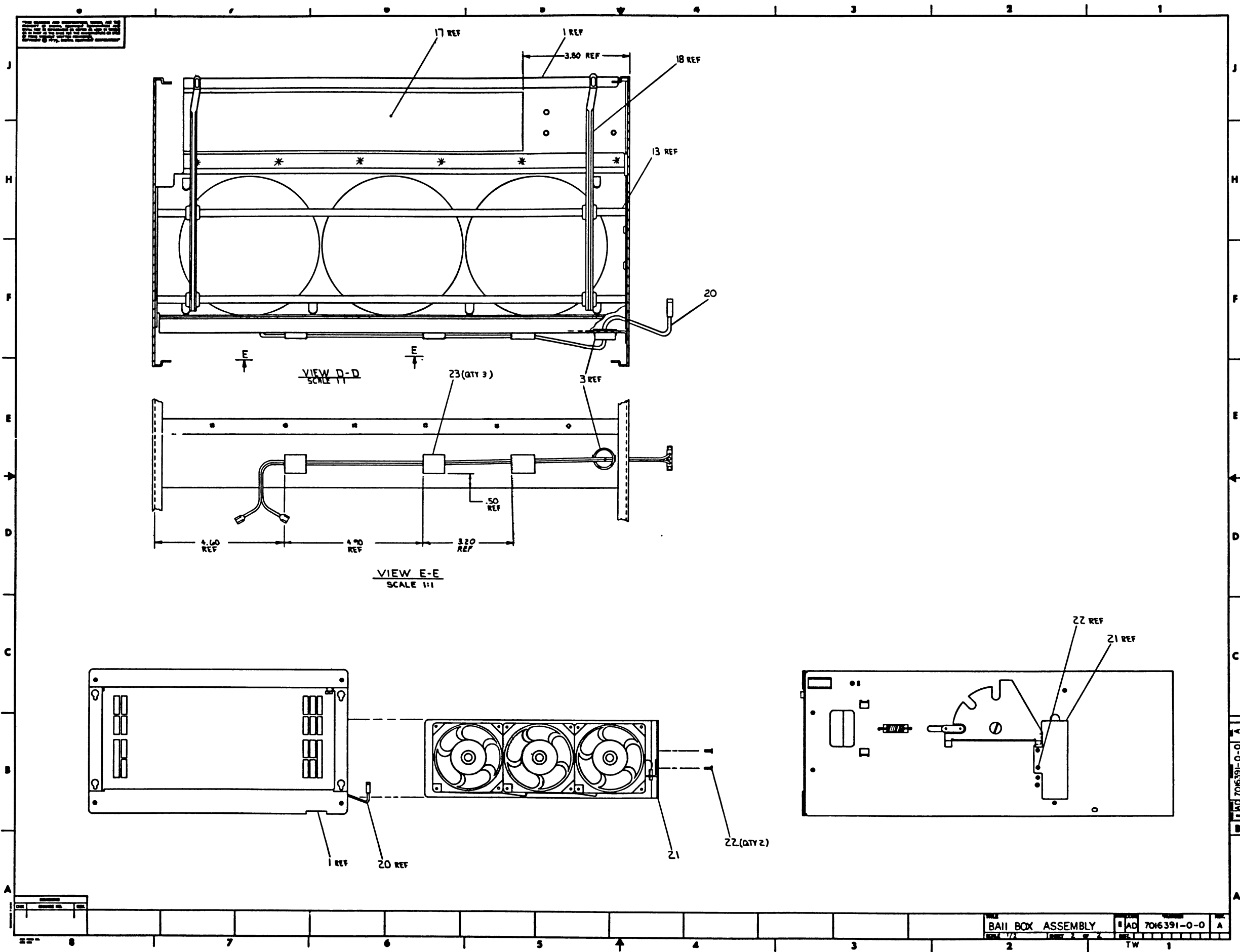
SEE OFF SHEET PARTS LIST
B-PL-BAI-A-C

DESCRIPTION	QTY	PART NO.	ITEM NO.
BAI-A UNIT ASSEMBLY	1	11/44	1
B-DO-BAI-A-O	1	11/44	2
11A BAI-A-O	1	11/44	3

DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES:			
MADE BY JOHN NAGLE DATE 8 APRIL 1979		CHECKED <i>[Signature]</i> DATE 6/29/79		SECTION															
ENG <i>Ron Boudreau</i> DATE 6/29/79		PROD <i>John Conilla</i> DATE 6 JUL 79		ISSUED SECTION															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	BA11-AA	BA11-AB												REF DESIGNATION		
1	E-AD-7016391-0-0		BA11 BOX ASSY	1	1														
2	E-UA-H7140-0-0		H7140-AA PWR SUPPLY 120V	1	1														
3	E-UA-H7140-0-0		H7140-AB PWR SUPPLY 240V	1	1														
4	9006690-00		LOCKWASHER #8 SPLIT RING	6	6														
5	9006418-01		SCREW 8-32 X .38 TAPTITE	6	6														
6	A-SP-3700472-0-0		PACKAGING INSTRUCTIONS	REF	REF														
7	D-AD-7016888-0-0		POWER DISTRIBUTION BOARD	1	1														
8	9006039-01		SCREW #8-32 X .50 PLIPS PAN HD	6	6														
9	9006661-00		#8 FLAT WASHER	6	6														
10	9006690-00		#8 HELICAL SPLIT LOCKWASHER	6	6														
E.C.O. NO.																			
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								SHEET 1 OF 1				INSERTION PARTS LIST DATA BASE REV							

TW





DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES:			
MADE BY J. NAGLE DATE 8 JUNE 1979		CHECKED <i>[Signature]</i> DATE 6/29/79		SECTION															
ENG <i>Ron Brown</i> DATE 6/24/79		PROD <i>John Conella</i> DATE 6 JUL-79		ISSUED SECTION															
ITEM NO.		DRAWING NO.		PART NO.															
1	E-IA-7016493-0-0				BA11 BOX FRAME ASSY	1	1												
2			9010107-00		CARD GUIDE (FAN TRAY)	2	2												
3			9007783-00		SNAP BUSHING	1	1												
4			1216189		RETRACTOR, SLIDE PAWL	2	2												
5			1216190		SPRING, SLIDE PAWL	2	2												
6	B-MD-7421611-0-0				SLIDE PAWL	2	2												
7	B-MD-7421444-0-0				PLATE, SLIDE NUT	2	2												
8			1216785		SEMS SCREW, PHIL TRUSS HD #10-32X.437 INT TOOTH	4	4												
9			9007035-00		GROMMET, CATAPILLER TYPE 5.70 INCHES	1	1												
10	D-MD-7421613-0-0				PLATE, SLIDE INDEX, RIGHT HAND	1	1												
11	D-MD-7421613-0-1				PLATE, SLIDE INDEX, LEFT HAND	1	1												
12			1216197		PIVOT SCREW	2	2												
13	B-MD-7421612-0-0				BAR, GUIDE MOUNTING	2	2												
14			1215848-0		CARD GUIDE (NATURAL)	15	15												
15			1215848-1		CARD GUIDE (BLACK)	14	14												
16			9010118-00		SCREW, NYLOCK 100° C SINK PHLP HD .31X#10-32	4	4												
17			9009087		FOAM TAPE, .125 X 2.10 X 12"	1	1												
18			1212405-0		CARD GUIDE (SNAP IN) WHITE	15	15												
19			1212405-10		CARD GUIDE (SNAP IN) BLACK	14	14												
20	C-IA-7016901-0-0				FAN POWER HARNESS	1	-												
21	D-AD-7016472-0-0				FAN TRAY ASSY	1	-												
22			9010120-00		SCREW 6-32 X .187 NYLOCK	2	-												
23			9009636-00		CABLE CLAMP	3	3												
E.C.O. NO. TW001																			
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					SHEET 1 OF 1			INSERTION PARTS LIST DATA BASE REV											

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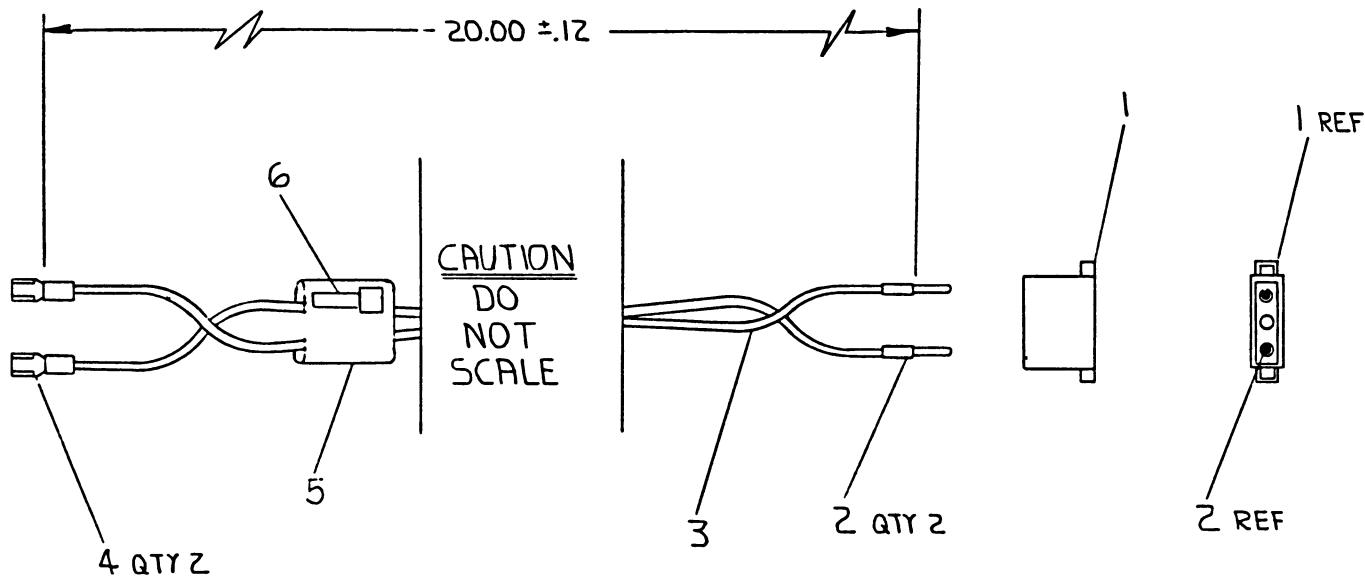
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B

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REVISIONS		REV.
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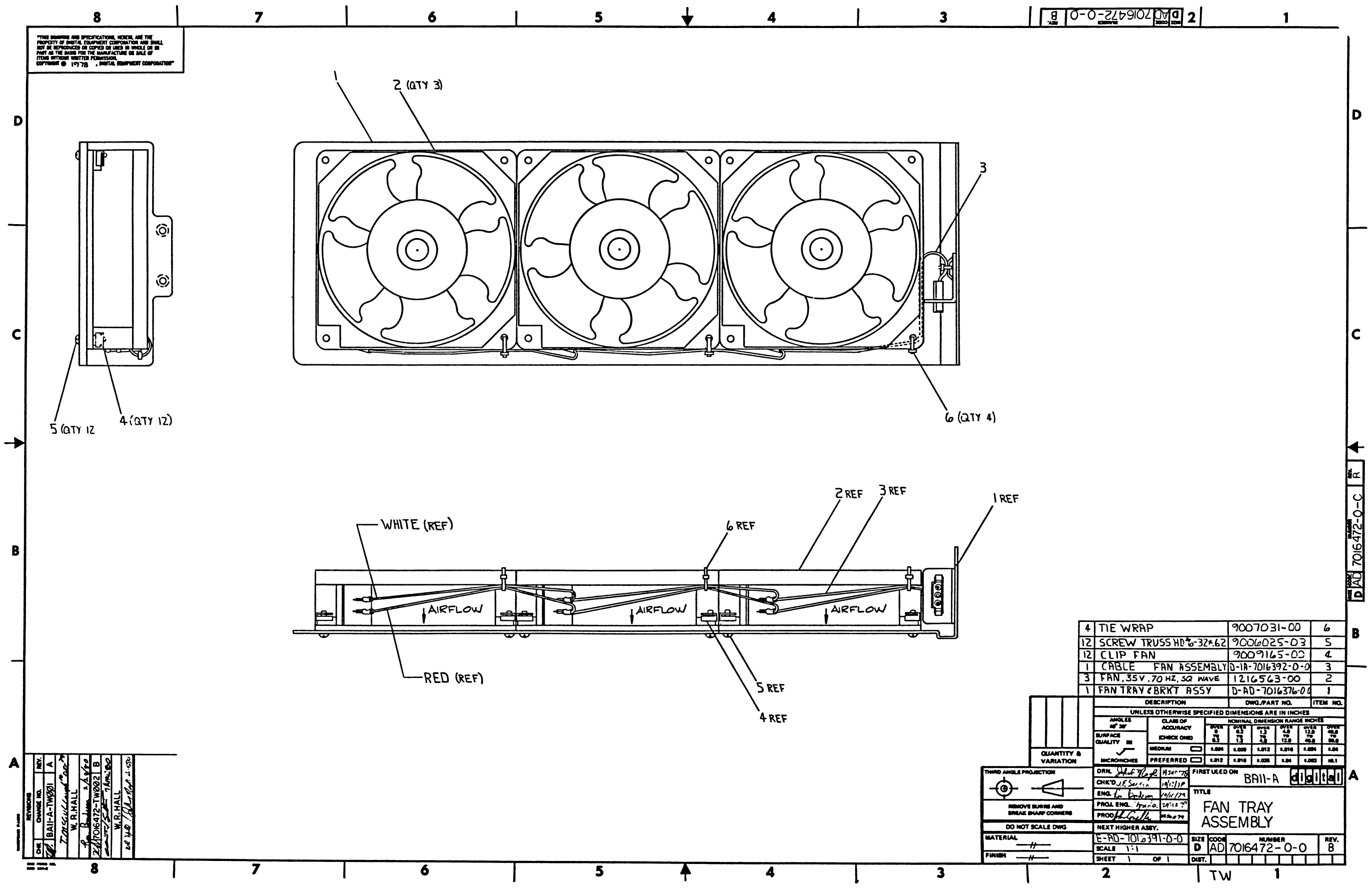
1	TIE, CABLE SSTI-M	9007031-00	6
1	LABE, CABLE I.D.	9009532-00	5
2	TERM. QCK 1 POS INS 22-18A ROLL	9007970-00	4
W/R	WIRE, #18 AWG TWST PAIR	9107430-29	3
2	PIN, MATE'N LOC #18 AWG	1209378-00	2
1	CONN, MATE'N LOC 3 PIN	1209351-03	1

QUANTITY & VARIATION	DESCRIPTION	DWG./PART NO.	ITEM NO.
THIRD ANGLE PROJECTION	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
REMOVE BURRS AND BREAK SHARP CORNERS	ANGLES ±0° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES
DO NOT SCALE DWG	SURFACE QUALITY IN MICROINCHES	MEDIUM ☐ PREFERRED ☐	OVER 0 TO 0.2 OVER 0.2 TO 1.2 OVER 1.2 TO 4.0 OVER 4.0 TO 12.0 OVER 12.0 TO 40.0 OVER 40.0 TO 80.0
MATERIAL	DRN <i>John A. Galt</i>	6 ADL 79	FIRST USED ON
FINISH	CHK'D <i>John A. Galt</i>	9/11/77	BAII-A digital
	ENG. <i>John A. Galt</i>	4/14/79	TITLE
	PROJ. ENG. <i>John A. Galt</i>	6-29-79	FAN POWER HARNESS
	PROD. <i>John A. Galt</i>	29 JAN 79	
	NEXT HIGHER ASSY.		
	EAD-7016901-0-0	SIZE	CODE
	SCALE NONE	C	IA
	SHEET 1 OF 1	NUMBER	7016901-0-0
		DIST.	REV. A

REV. A	7016901-0-0
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TW 1



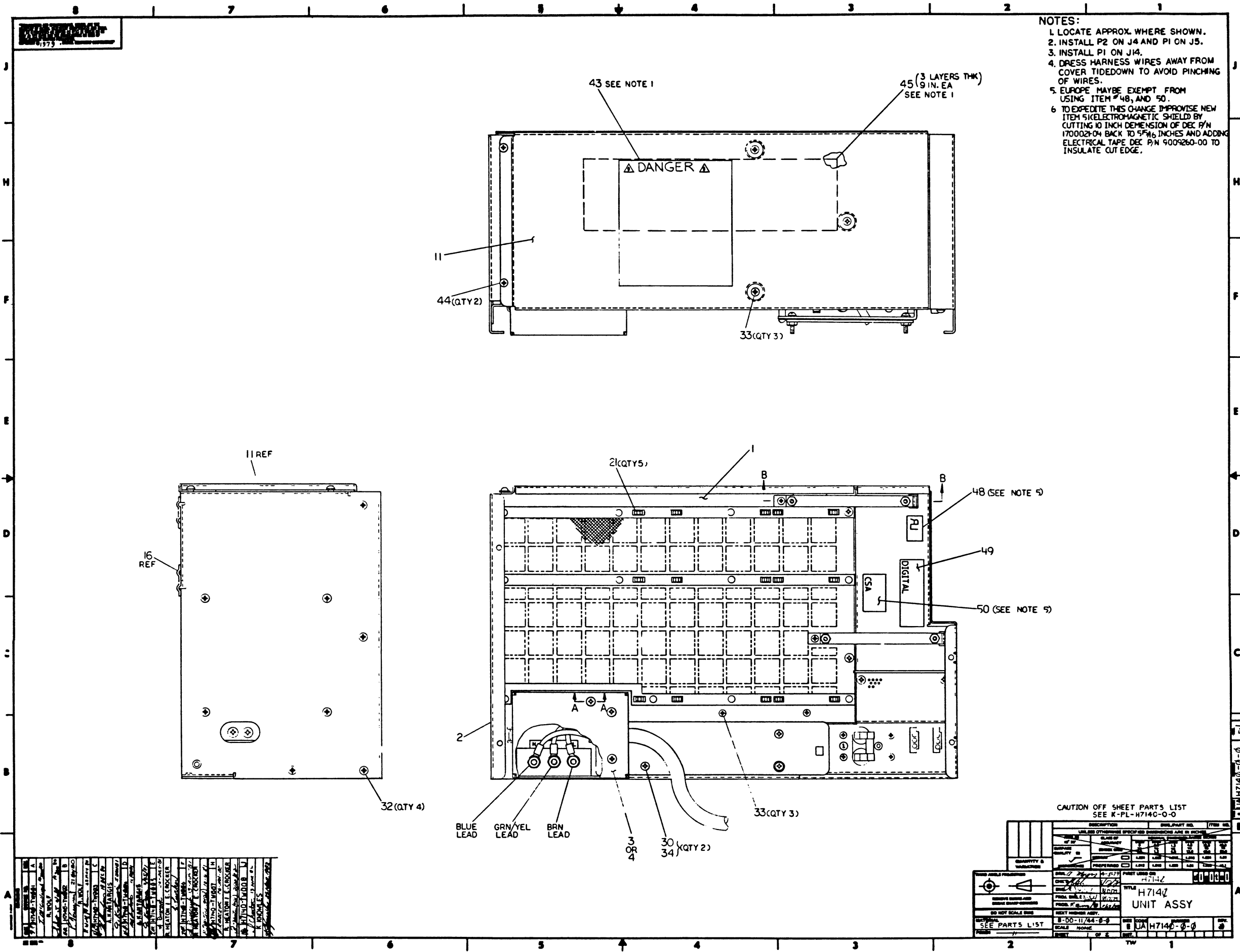
4	TIE WRAP	9007031-00	6
12	SCREW TRUSS HD 6-32x.62	9006025-03	5
12	CLIP FAN	9009165-03	4
1	CABLE FAN ASSEMBLY	D-AD-7016392-0-0	3
3	FAN, 35V, 70 HZ, SQ WAVE	1216563-00	2
1	FAN TRAY & BRKT ASSY	D-AD-7016376-0-0	1

DESCRIPTION		DWG./PART NO.		ITEM NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
ANGLES 45° 30°		NOMINAL DIMENSION RANGE INCHES			
SURFACE QUALITY	CLASS OF ACCURACY (CHECK ONE)	OVER 0	OVER 0.3	OVER 1.2	OVER 4.0
		0.3 1.2 4.0	1.2 1.2 1.2	12.0 12.0 12.0	40.0 40.0 40.0
IN 	MEDIUM ☐	1.004	1.009	1.012	1.004
	PREFERRED ☐	1.012	1.016	1.026	1.04

THIRD ANGLE PROJECTION	ORL <i>Shaf 7/6/8</i> H3er-78	FIRST USED ON	BA11-A
REMOVE BURRS AND BREAK SHARP CORNERS	CHKD <i>J.F. Serrin</i> 10/12/79	TITLE	FAN TRAY ASSEMBLY
DO NOT SCALE DWG	ENG <i>Dr. Erdman</i> 10/12/79	SIZE	CODE
MATERIAL	PROJ. ENG. <i>Dr. Erdman</i> 10/12/79	SCALE	NUMBER
FINISH	NEXT HIGHER ASSY.	SHEET	REV.
	E-AD-7016391-0-0	1	8
	SCALE 1:1	DIST.	
	1	OF 1	

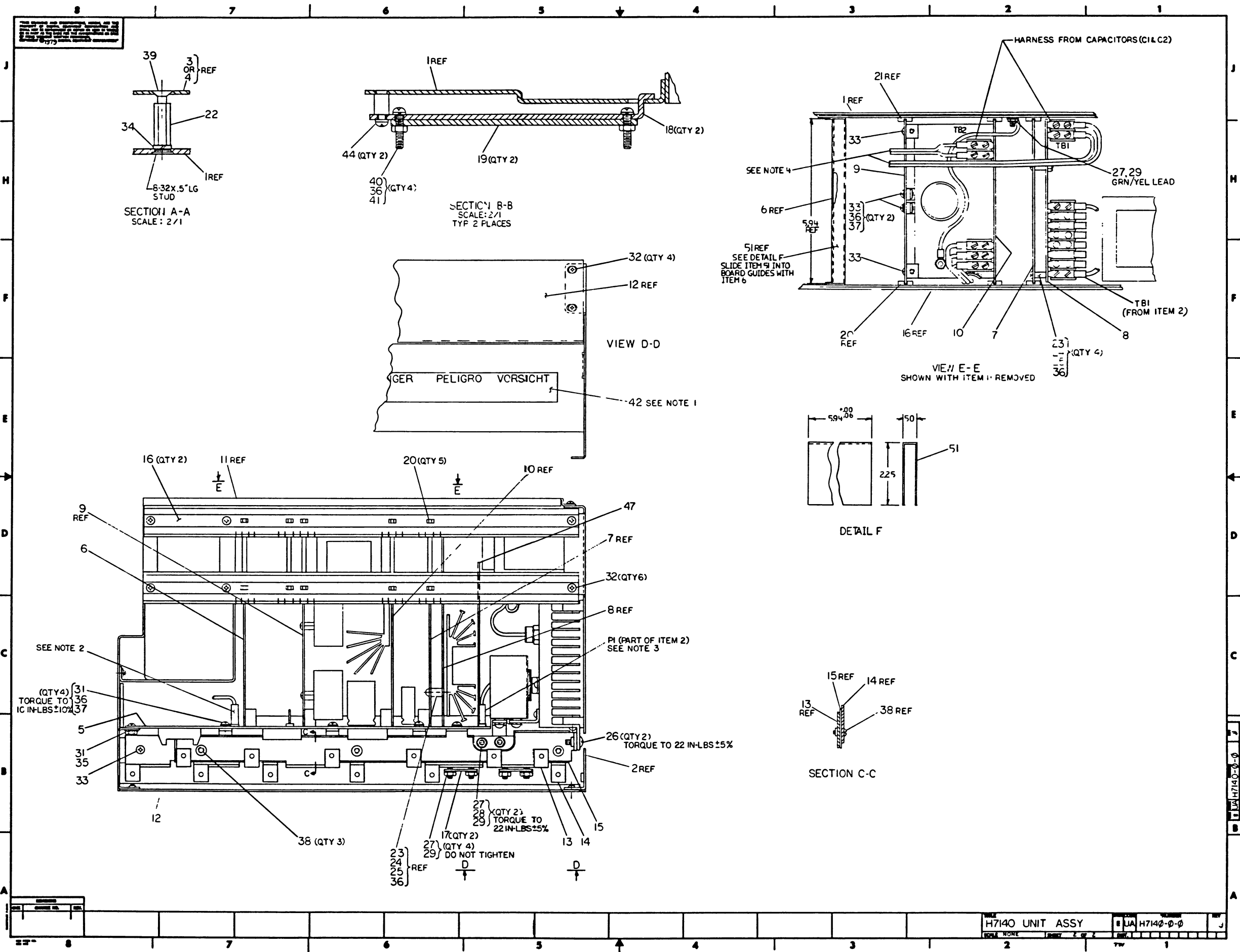
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QTY	DESCRIPTION	QTY	DESCRIPTION	QTY	DESCRIPTION
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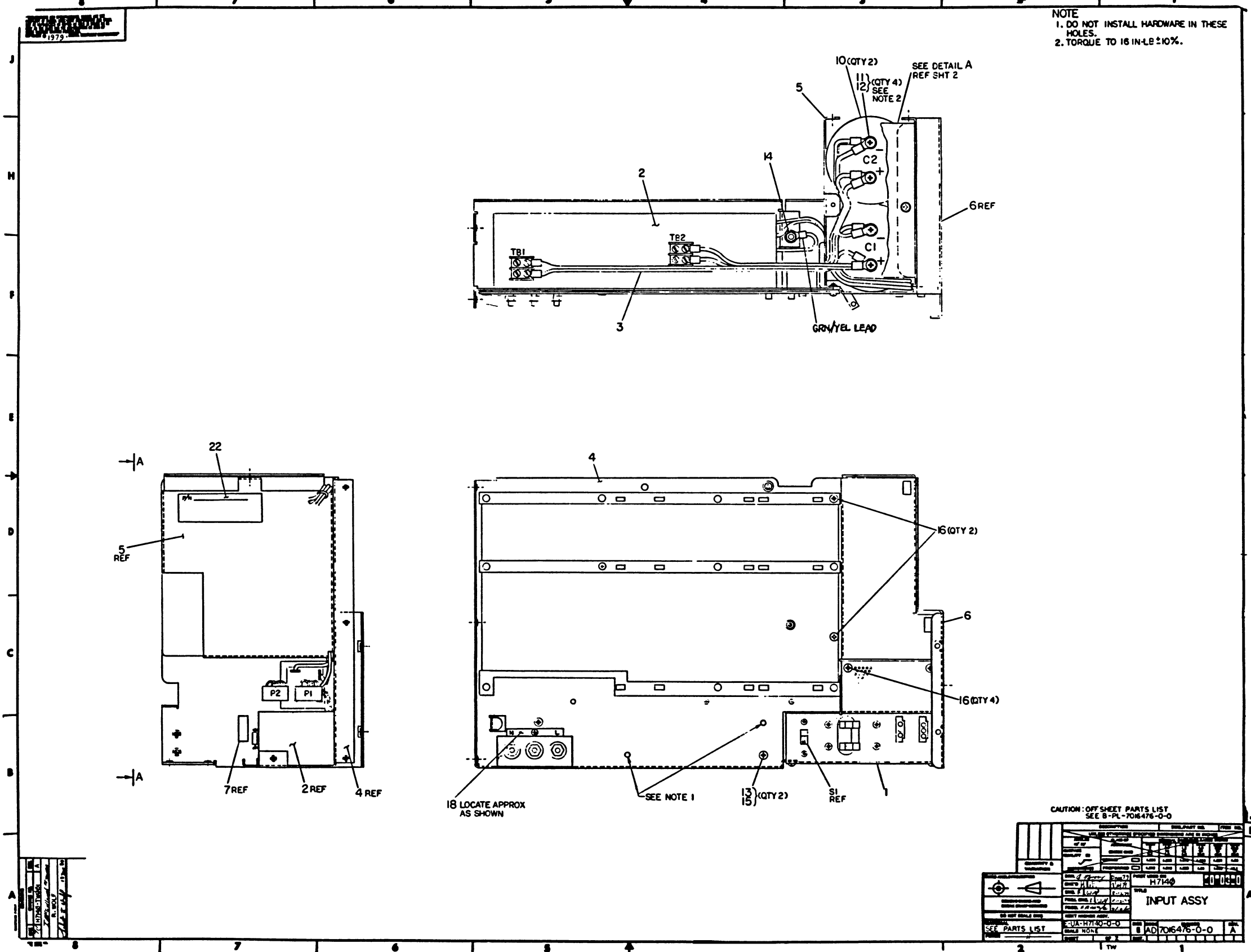
CAUTION OFF SHEET PARTS LIST SEE R-PL-H7140-0-0	
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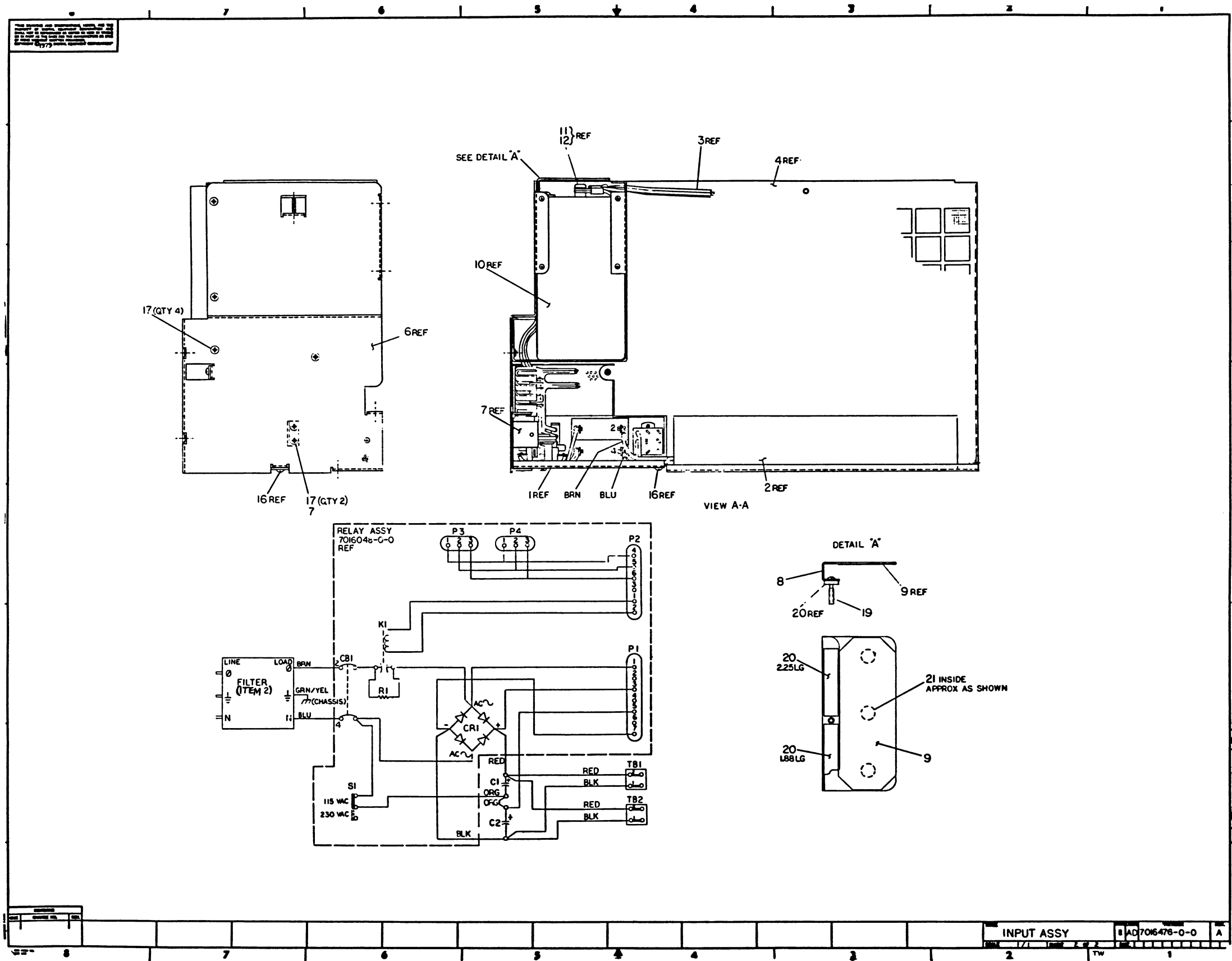


LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION			
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32	32		9009796-00	SCREW,FLAT,PHILLIPS 6-32X1/4 S	14	14	14	14
33	33		9009708-00	SCREW,PAN,PHIL,TAP,G 6-32X 5/16	11	11	11	11
34	34		9006690-00	WASHER, LOCK, S.S. #8	3	3	3	3
35	35		9009243-00	NUT,KEP 6-32 X5/16AF	1	1	1	1
36	36		9007801-00	WASHER, LOCK, S.S. #6	14	14	14	14
37	37		9006656-00	WASHER, FLAT, .312 O.D. X .156 I	6	6	6	6
38	38		9008212-00	SCREW, NYLON, SLTD PAN HD, 6-32	3	3	3	3
39	39		9006039-02	SCREW,FLAT,PHIL 8-32X 1/2	1	1	1	1
40	40		9009587-01	SCREW,TAPPING,TYPE TT,PAN,PHIL,	4	4	4	4
41	41	BLANK		*** THIS ITEM IS NOT USED ***	-	-	-	-
42	42		3615087-02	LABEL,"DANGER-HIGH CURRENT"	1	1	1	1
43	43		3616930-00	LABEL,DANGER STORED HIGH VOLTAGE	1	1	1	1
44	44		9009701-00	SCREW,PAN,PHIL,SEMS 6-32X .312L	4	4	4	4
45	45	SEE NOTE	9009087-00	FOAM,TAPE, SINGLE SIDED 1/8 THK	0	0	0	0
46	46	D-UA-5413607-0-0	5413607-YA	MEMORY INVERTER BD.	0	0	1	1
47	47	B-MD-7424586-0-0	7424586-00	INSULATOR, HEATSINK	1	1	1	1
48	48		3612063-00	LABEL, ADHESIVE I.D. FOR UL C	1	1	1	1
49	49		9009255-01	LABEL, POWER SUPPLY, 2-7/8" LG X	1	1	1	1
50	50		3613211-01	DECAL,CLEAR PREPRINTED CSA 1-1/4	1	1	1	1

51 NOTE: ITEM 45, ALL VARIATIONS ARE 2.25.

D	I	G	I	T	A	L	TITLE	H7140 UNIT ASSEMBLY	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	H7140-0-DBP	H





DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES:					
MADE BY DATE		CHECKED DATE		SECTION																	
ENG DATE		PROD DATE		ISSUED SECTION																REF DESIGNATION	
DRAWING NO.		PART NO.		DESCRIPTION																	
1	E-AD-7016048-0-0	7016048-00	RELAY ASSY	1																	
2	C-IA-7016898-0-0	7016898-00	FILTER, RFI, ASSY	1																	
3	D-IA-7016477-0-0	7016477-00	HARNESS, 300V	1																	
4	D-IA-7016926-0-0	7016926-00	CHASSIS ASSY, REAR	1																	
5	D-MD-7421433-0-0	7421433-00	BRACKET, CAPACITOR	1																	
6	D-MD-7421438-0-0	7421438-00	PANEL, SIDE	1																	
7	B-MD-7423546-0-0	7423546-00	BLOCK, MTG	1																	
8	B-MD-7422382-0-0	7422382-00	CLAMP, CAPACITOR	1																	
9	B-MD-7422401-0-0	7422401-00	INSULATOR, CAPACITOR	1																	
10		1014336-00	CAPACITOR, 4500 uf/200 VDC, E	2																	
11		9006072-01	SCR, PHL PAN HD SS #10-32 x .438 LG	4																	
12		9007906-00	WASHER, SPLIT, LOCK #10	4																	
13		9006037-01	SCR, PHL PAN HD SS #8-32 x .375 LG	2																	
14		9006565-00	NUT, KEP CS/CAD #10-32 x 3/8 AF	1																	
15		9006690-00	WASHER, SPLIT, LOCK #8	2																	
16		9009708-00	SCREW, PHL PAN HD SELF TAP #6-32 x .312	6																	
17		9009796-00	SCR, PHL FLAT HD SELF TAP #6-32 x .250	6																	
18		3617016-00	LABEL, N-GROUND-L	1																	
19		9010133-00	SCREW, PHILL PAN HD #8-32 x .88 LG	1																	
20		9009342-00	FOAM TAPE ADH. BACK .50 x .125	.35	FT																
21		9009157-00	ADHESIVE, PERMABOND #101	A/R																	
22		9009255-00	LABEL, POWER SUPPLY	1																	
E.C.O. NO. H7140-1 TW001																					
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								SHEET 1 OF 1				INSERTION PARTS LIST DATA BASE REV									

DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION										NOTES:					
MADE BY DATE		A. Mowry 07/02/79		CHECKED DATE		SECTION		7016054-00	REF DESIGNATION	REF DESIGNATION	REF DESIGNATION	REF DESIGNATION							
ENG DATE		PROD DATE		ISSUED SECTION															
Robert J. Wolf 7-26-79		Manuel Hidalgo (R.J.W.) 7-31-79																	
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION																REF DESIGNATION
1	D-MD-7421434-0-0	7421434-00	CHASSIS, SIDE	1															
2	D-IA-7016511-0-0	7016511-00	OVERTEMP CABLE & SWITCH ASSY	1															
3		1216648-00	HEAT SINK	1															
4		1216965-00	MTG BLOCK, INSULATED	4															
5	B-MD-7422038-0-0	7422038-00	CAP., BRKT POS.	1															
6	B-MD-7422037-0-0	7422037-00	BRKT, RETURN BUS	1															
7	B-MD-7422036-0-0	7422036-00	BRKT, CAP NEG.	1															
8	D-UA-5413663-0-0	5413663-00	SNUBBER P.C.B.	1															
9	C-IA-7016056-0-0	7016056-00	XFORMER, PWR, HIGH FREQ ASSY	1	T1														
10	C-IA-7016055-0-0	7016055-00	CHOKE, OUTPUT DOUBLE SECTION ASSY	1	L1														
11		1014338-00	CAPACITOR, 15,000 MFD 7.5V ± 20%	3	C1	C2	C3												
12		1114197-00	RECTIFIER PLU=45 I=60	4	D1	D2	D3	D4											
13		1109978-00	RECTIFIER, C230V SCR @ 25V I = 25A	1	Q1														
14		9007036-00	GROMMET, CATERPILLAR	.33	FT														
15		9006071-01	SCR PHL PAN HD #10-32 X .38	2															
16		9006070-01	SCR PHL PAN HD #10-32 X .31	5															
17		9009005-00	NUT, HEX #10-32 X 1/4 AF	3															
18		9007906-00	WASHER, SPLIT LOCK #10	9															
19		9006563-00	NUT, KEP #8-32 X 11/32 AF	8															
20		9009708-00	SCR, PHL PAN HD SELF TAP #6-32 X .31	12															
21		9009796-00	SCR PHL (FLT) HD SELF TAP #6-32 X .25	4															
22		9009882-00	WASHER, LOCK INT TOOTH #6	3															
23		9008268-00	COMPOUND, THERMAL JOINT	A/R															
24		9006561-00	NUT, HEX #8-32 x 5/16 AF	4															
25		9006690-00	WASHER, LOCK, S.S. #8	4															

E.C.O. NO.

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TITLE

OUTPUT PANEL ASSEMBLY

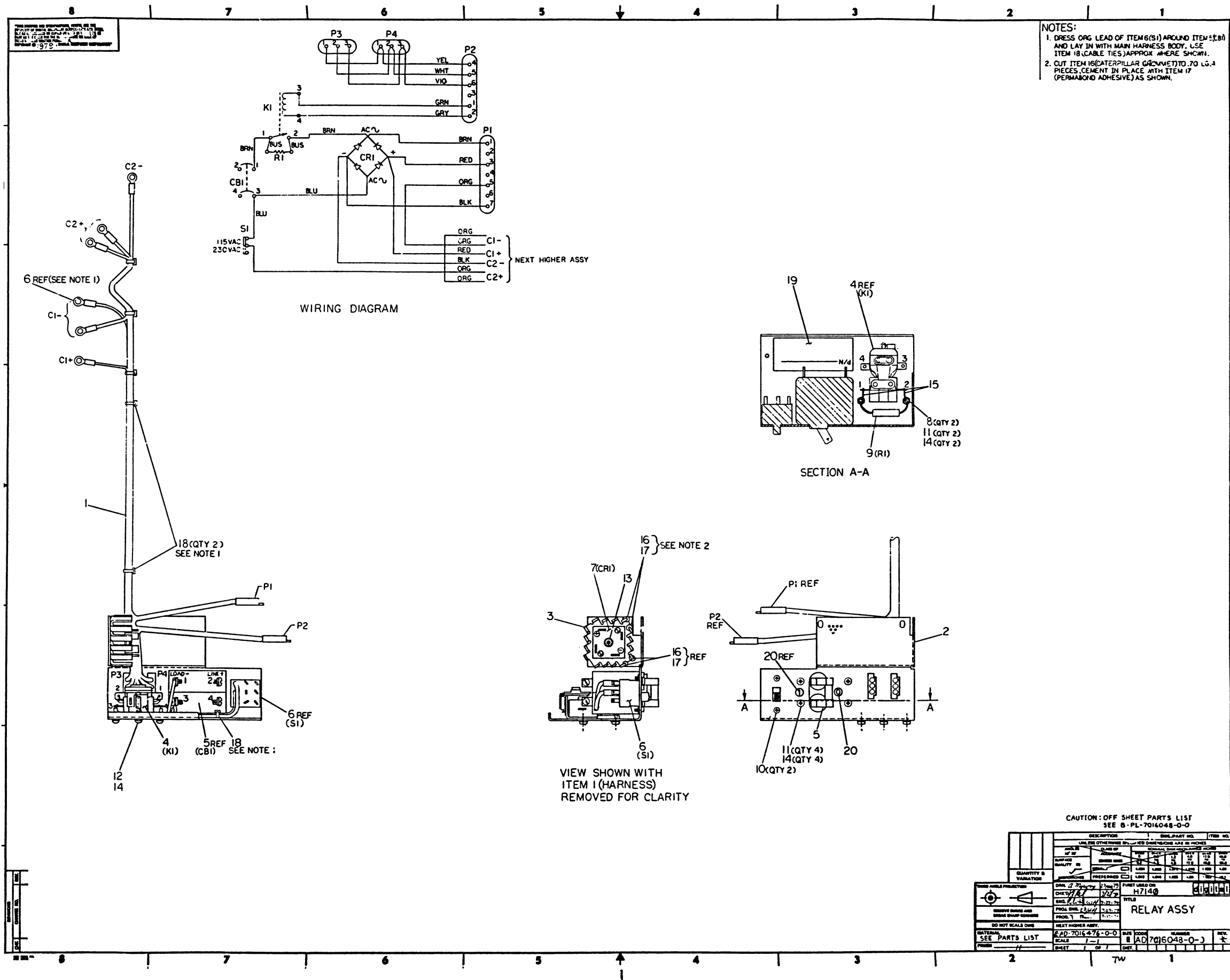
ASSY NO.

E-AD-7016054-0-0

SHEET 1 **OF** 1

SIZE B **CODE** PL **NUMBER** 7016054-0-0 **REV.** *

INSERTION PARTS LIST DATA BASE REV



DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES:							
MADE BY DATE		A. MOWRY 03/27/79		CHECKED DATE		7/27/79		SECTION															
ENG DATE		Robert J. Wolf 7-27-79		PROD DATE		Manuel Hidalgo (R.J.W.) 7-31-79		ISSUED SECTION															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION														REF DESIGNATION						
1	D-IA-7016049-0-0	7016049-00	HARNESS, A.C. INPUT	1																			
2	D-MD-7422040-0-0	7422040-00	BRACKET, INPUT	1																			
3		1216688-00	HEAT SINK	1																			
4		1216206-00	RELAY, PWR 12V COIL. SPST 30A	1																			
5		1212124-01	CKT BKR, 2 P SERIES TRIP, 20A 240V	1																			
6	C-IA-7016923-0-0	7016923-00	SWITCH ASSY	1																			
7		1116216-00	BRIDGE RECTIFIER IF = 30A, 600V VR	1																			
8		9006966-00	TERMINAL, P.C.B. 2 POS INS, TURRET	2																			
9		1314848-00	RESISTOR 3 OHM 5% 7 WATT	1																			
10		9000039-06	SCR, PHIL, FLAT HD #4-40 x .187	2																			
11		9006020-01	SCR, PHIL, PAN HD #6-32 x .250	6																			
12		9006021-01	SCR, PHIL, PAN HD #6-32 x .312	1																			
13		9009243-00	NUT, KEP #6-32 x 5/16 AF S.S.	1																			
14		9007801-00	WASHER, LOCK SS #6	7																			
15		9107560-03	WIRE BUSS #18 AWG	.21	FT																		
16		9007036-00	GROMMET, CATERPILLAR	.25	FT																		
17		9009157-00	ADHESIVE, PERMABOND	A/R																			
18		9007031-00	TIE, CABLE SST1-M	3																			
19		9009255-00	LABEL, POWER SUPPLY	1																			
20		3615680-00	LABEL, SWITCH POSITION, ADH BACK	1																			
E.C.O. NO.																							
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TW

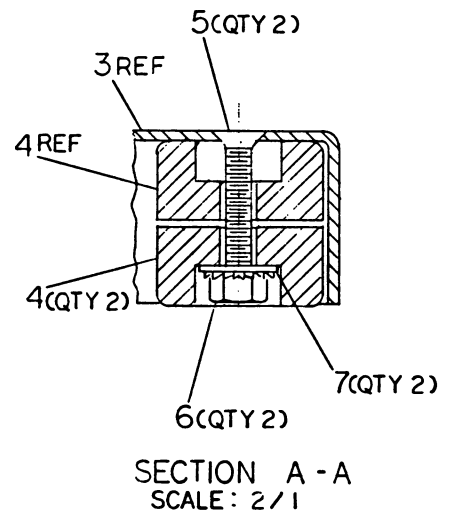
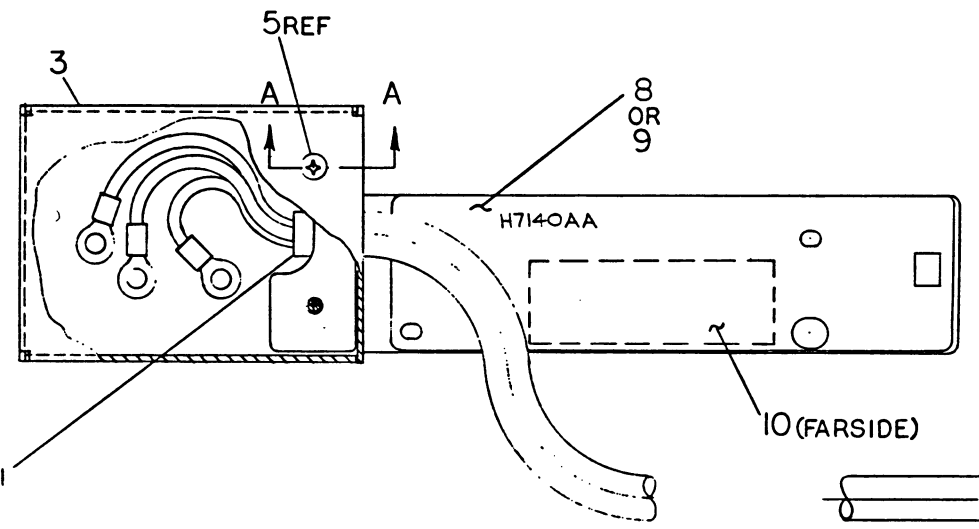
0-0-82690201

NOTES:

1. OUTSIDE JACKET OF ITEM 1 OR 2 (LINE CORD)
TO EXTEND APPROX .25 IN. BEYOND
CLAMPING AREA OF ITEM 4 (CABLE CLAMP).

PARTS LEGEND	
PART NO.	VARIATION
7016478-00	120V (H7140AA)
7016478-01	220V-240V (H7140AB)

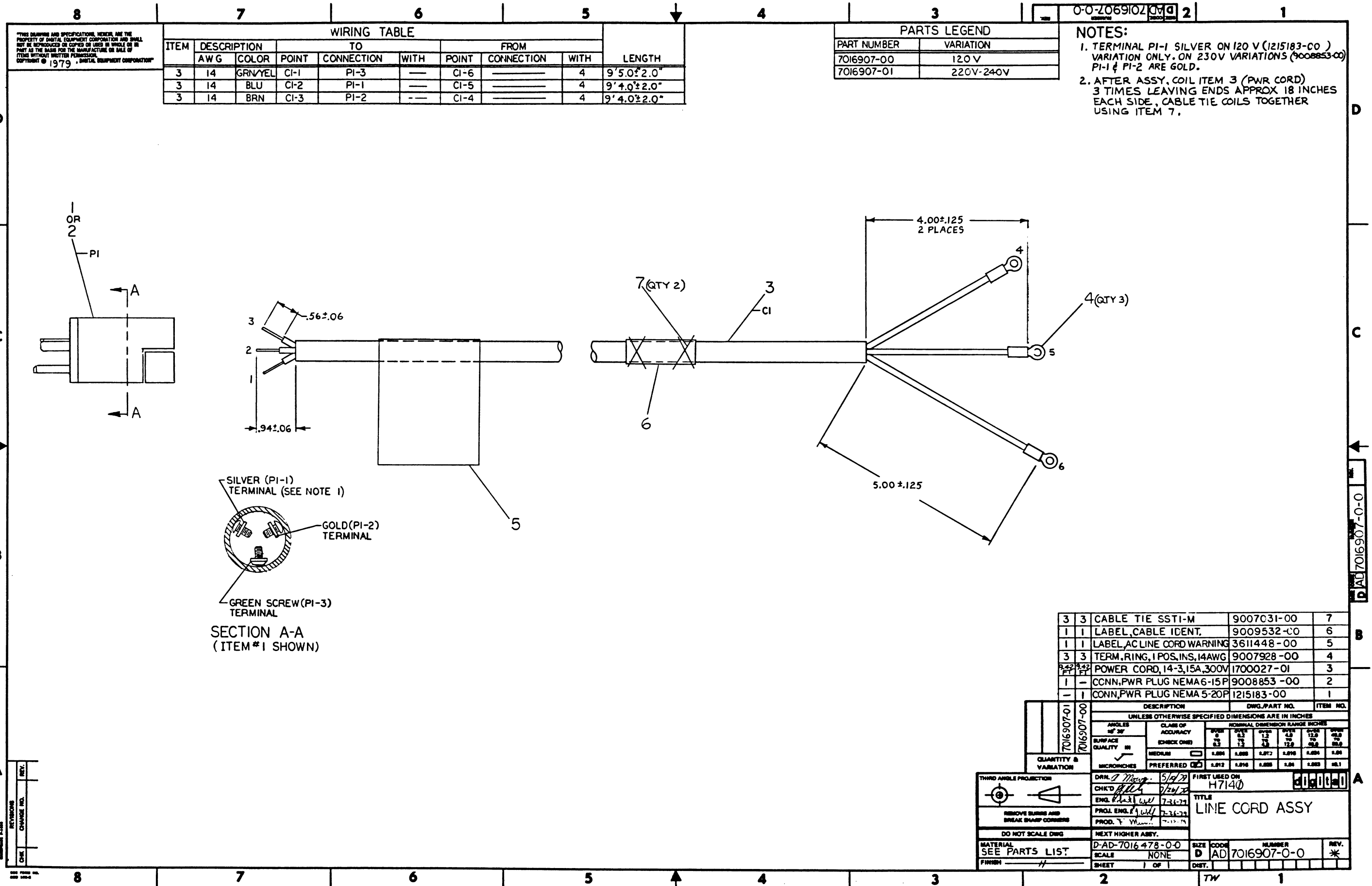
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QTY	DESCRIPTION	DWG. PART NO.	ITEM NO.
1	LABEL, PWR SUPPLY	9009255-00	10
1	LABEL, H7140AB (220-240V)	3616977-01	9
1	LABEL, H7140AA (120V)	3616977-00	8
2	WASHER, FLAT, #8-32 X 1/8	9006660-00	7
2	NUT, KEP #8-32 X 1/2 AF	9006563-00	6
2	SCR, FLAT, PHIL #8-32 X 1 LG	9006042-02	5
2	CLAMP, CABLE	1215566-00	4
1	COVER, A.C.	D-MD-74220480-0	3
1	CORD ASSY, LINE (220-240V)	D-1A-7016907-1-0	2
1	CORD ASSY, LINE (120V)	D-1A-7016907-0-0	1

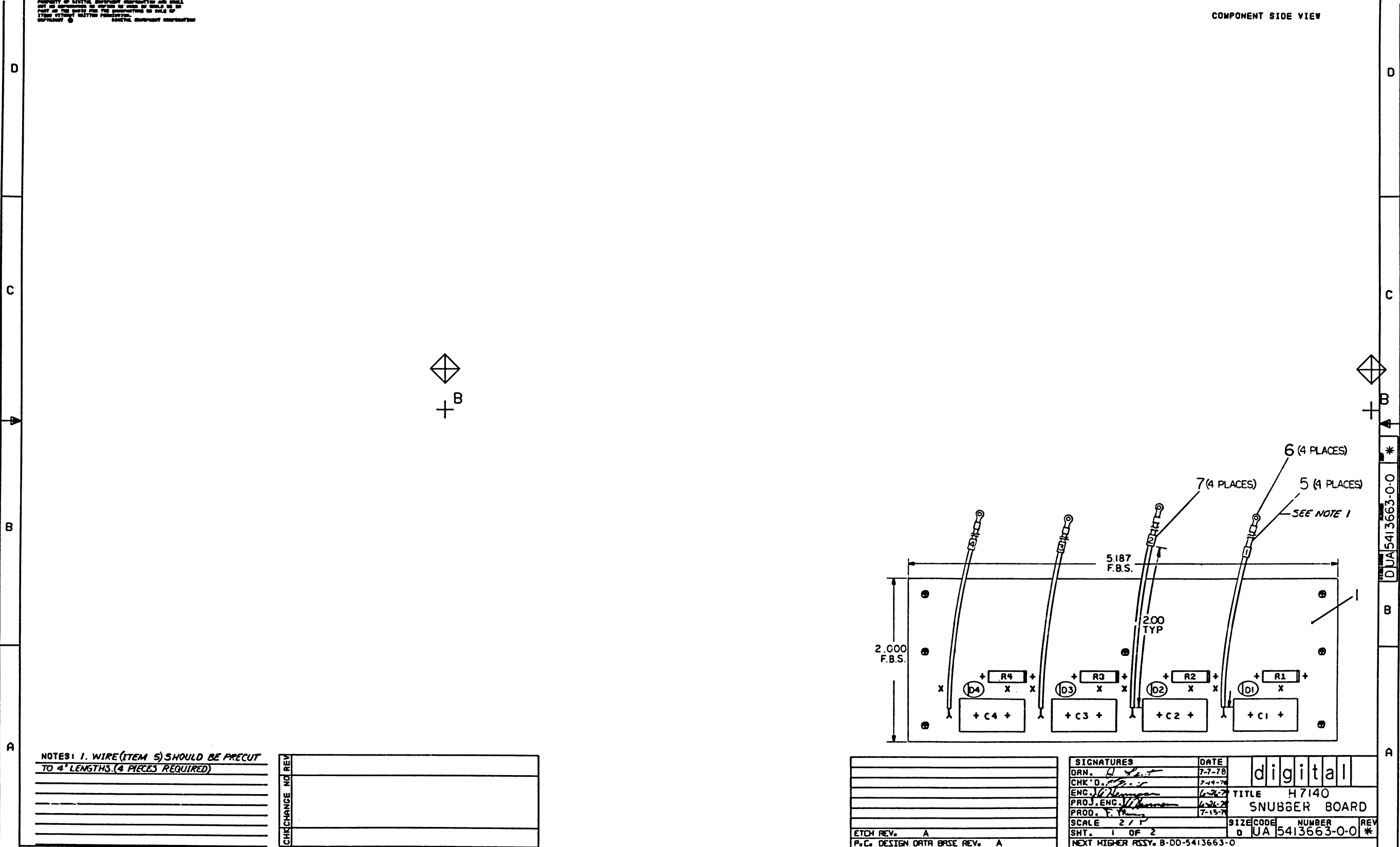
QUANTITY & VARIATION	DESCRIPTION	DWG. PART NO.	ITEM NO.
7016478-01	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
7016478-00	ANGLES 90° 30'		
	CLASS OF ACCURACY		
	SURFACE QUALITY		
	MATERIAL		
	FINISH		
	REMOVE BURRS AND BREAK SHARP CORNERS		
	DO NOT SCALE DWG		
	MATERIAL SEE PARTS LIST		
	FINISH		
	DRN. 5-16-79	FIRST USED ON	H7140
	CHK'D 2/19/77		
	ENG. 1/11/77		
	PROJ. ENG. 1/11/77		
	PROD. T 1/11/77		
	NEXT HIGHER ASSY.		
	E-UA-H7140-0-0	SIZE CODE	NUMBER
	SCALE 1/1	D	AD7016478-0-0
	SHEET 1 OF 1	DIST.	

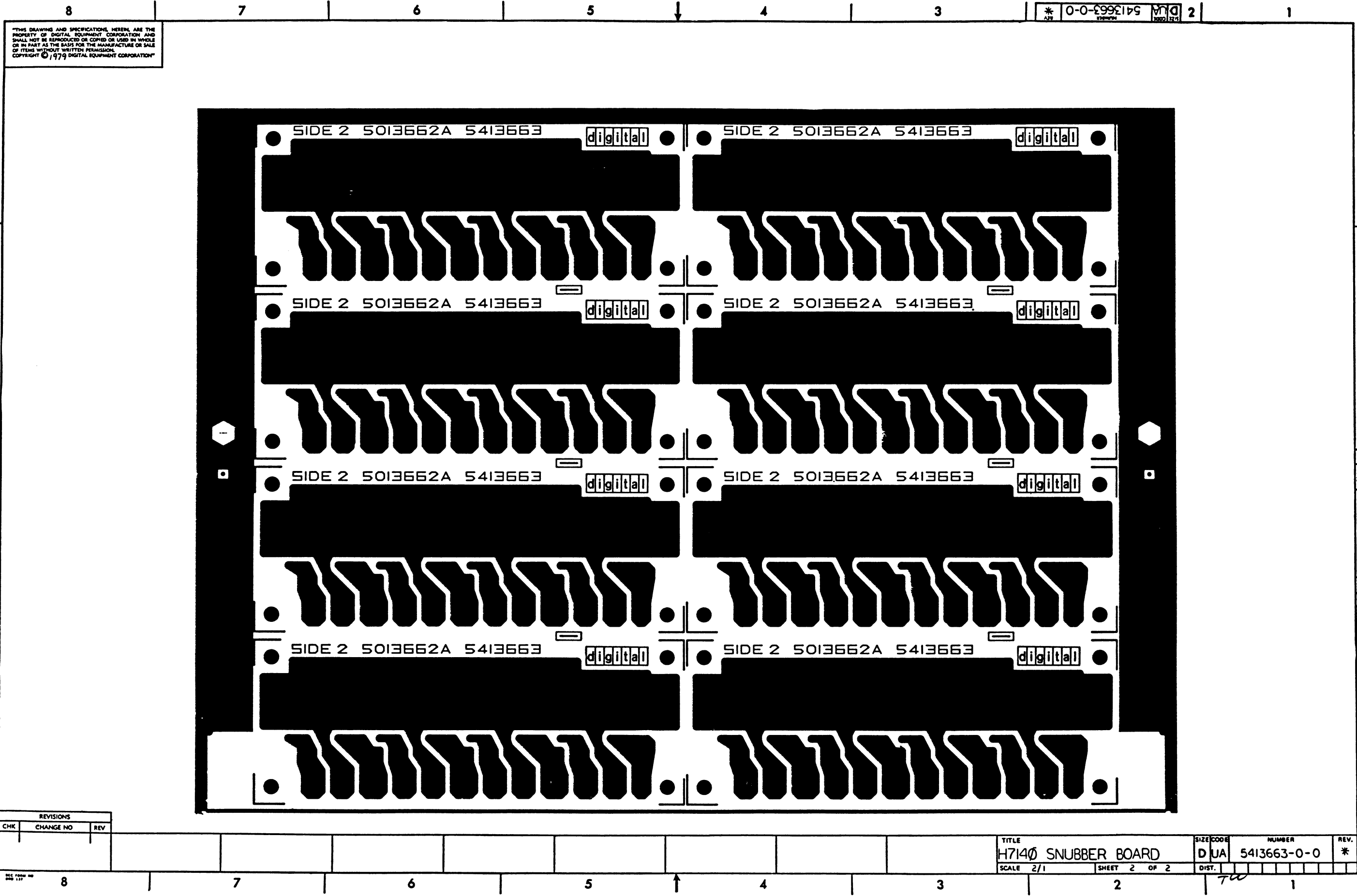
REVISIONS	NO.	REV.
ONE	CHANGE NO.	



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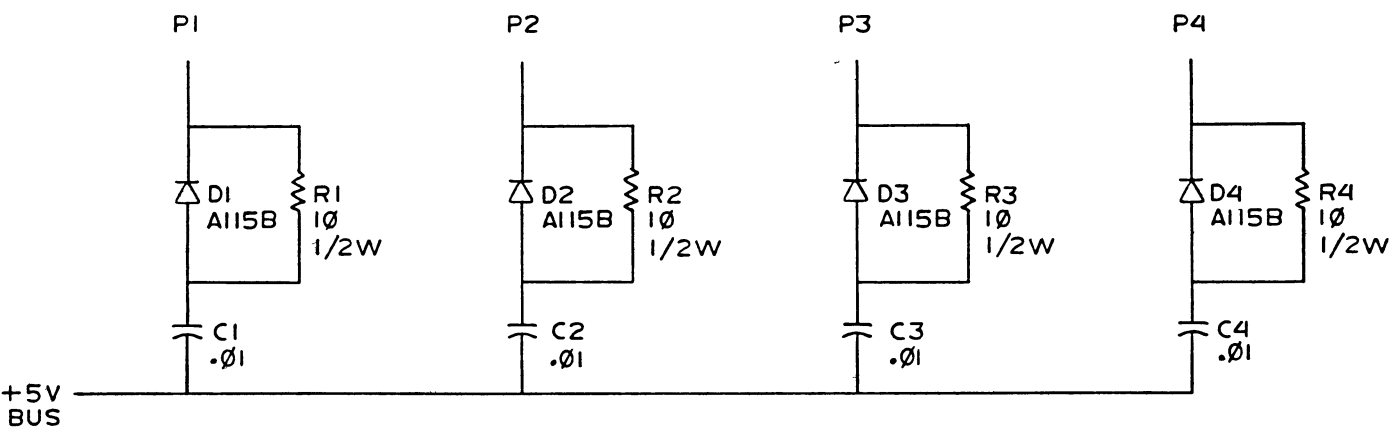
COMPONENT SIDE VIEW





REVISIONS		
CHK	CHANGE NO	REV

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REVISIONS		REV.
CHK	CHANGE NO.	A
5413663 - JWO01		
A. RHEATON		17-SEP-81
R. HEATON		
J. HEATON		12-5-81

DEC FORM NO.
DNC 111-A

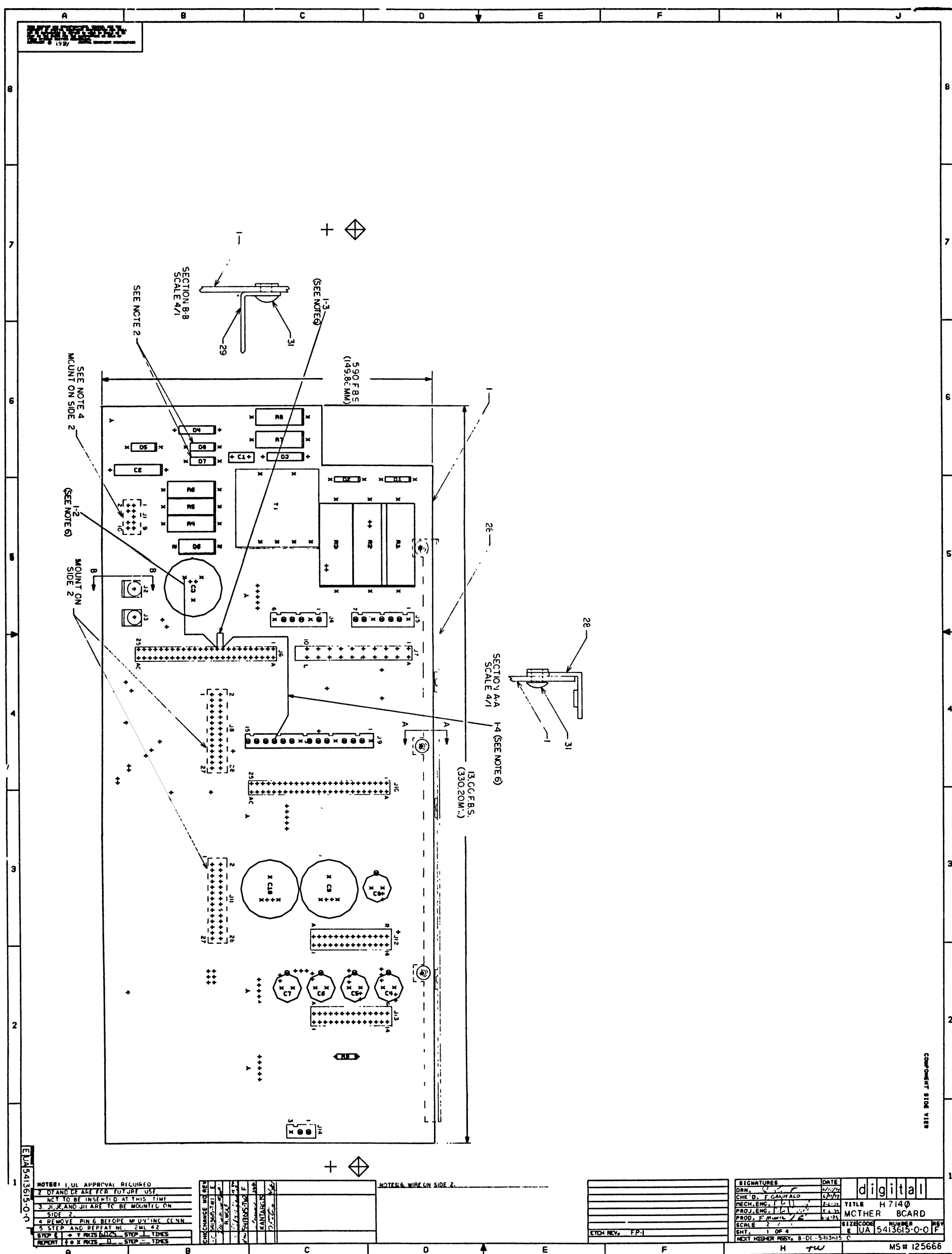
QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DRN. J. HEATON	DATE 5-25-78		
CHK'D. J. HEATON	DATE 5-25-78		
ENG. J. HEATON	DATE 6/24/79		
PROJ. ENG. J. HEATON	DATE 6/24/79		
PROD. F. MUNIZ	DATE 7-15-79		
NEXT HIGHER ASSY.		TITLE	
FIRST USED ON OPTION/MODEL		H7140 SNUBBER BOARD	
SCALE NONE		SIZE CODE C CS	NUMBER 5413663-0-1
SHEET 1 OF 1		DIST.	REV. A

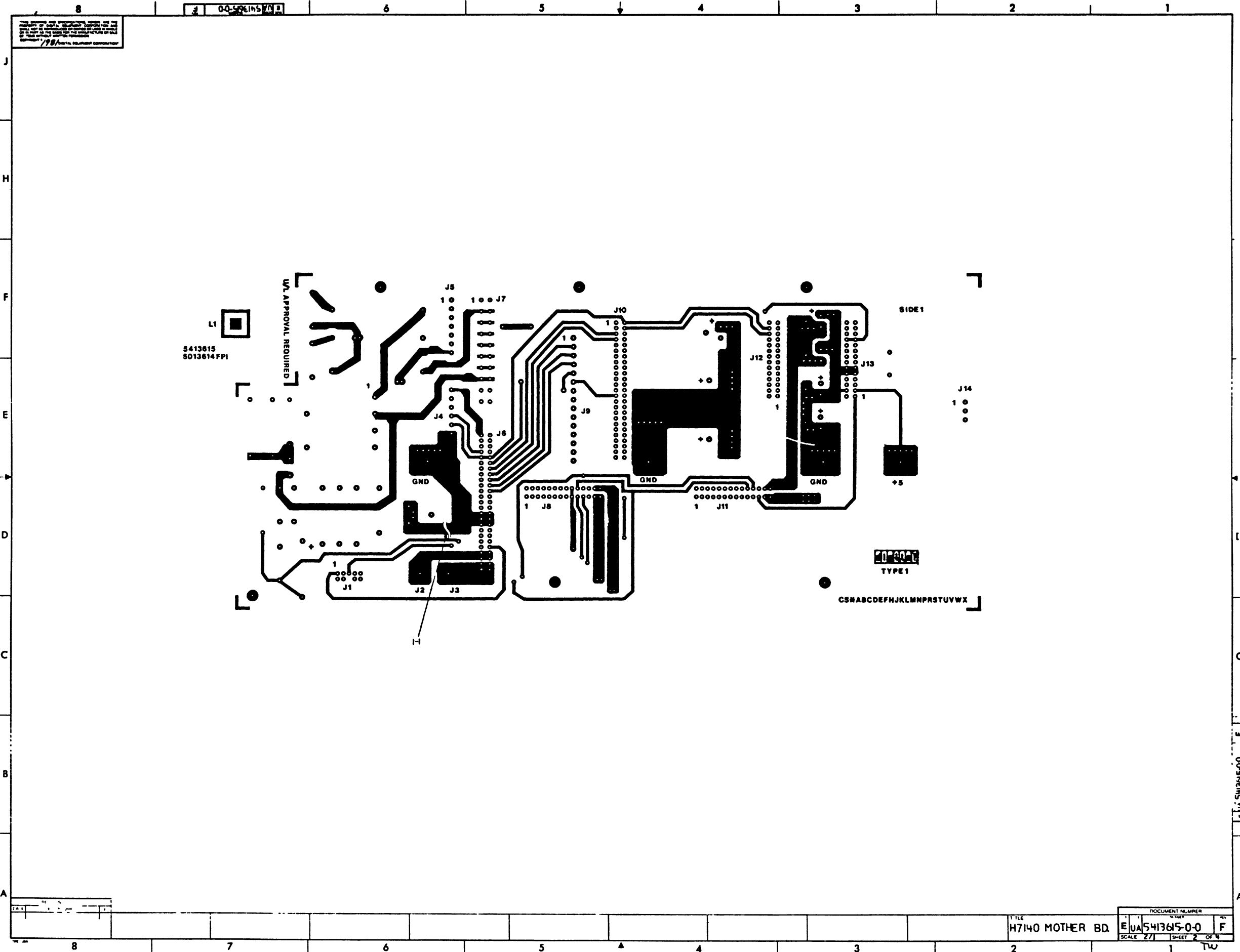
TW

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
1	1	D-MD-5013662-0-0	5013662-00	DRILL & ETCH BD	1	
2	2		1011847-01	.01 MFD 400V 10% POLYPROP	4	C1-C4
3	3		1112594-01	A115B PIV=200 I= 3A	4	D1-D4
4	4		1370168-00	10 1/2W 5% CC	4	R1-R4
5	5		9107801-33	WIRE,STRND,20AWG IPVC UL1431	A/R	
6	6		9007930-00	TERM RING 1POS INSULATED,22-16	4	
7	7		9008356-01	WIRE IDENTIFIER,(1-48)	1	

0 NOTE: ITEM #5, 1.33' IS USED.

REVISION HISTORY		BASIC PART NO: 5413663		DRN: K.FRIEDGEN	DATE: 22-MAY-79	D I G I T A L			
ENG	ECO NUMBER	REV	SECTION A OF A			TITLE PARTS LIST			
---	INITIAL	*	SECTION VARIATION INDEX	CHK'D: J.CASEY	DATE: 19-JUL-79	SNUBBER BOARD ASSY			
			[A] 00						
			[B]						
			[C]	DES.ENG: J.A.HERRMANN	DATE: 22-MAY-79				
			[D]						
			[E]			DOCUMENT NUMBER			
			[F]	RESP.ENG.: J.A.HERRMANN	DATE: 22-MAY-79				
			[H]			SIZE	CODE	NUMBER	REV
			[J]						
			[K]	MFG.ENG.: F.MUNIZ	DATE: 19-JUL-79	K	PL	5413663-0-DBP	*
			[L]						
			[M]	ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER:	FILE NAME:		EDIT #	
			[N]	ID-UA-5413663-0-0	ID-MD-5413663-0-0	13663.PLS		8	
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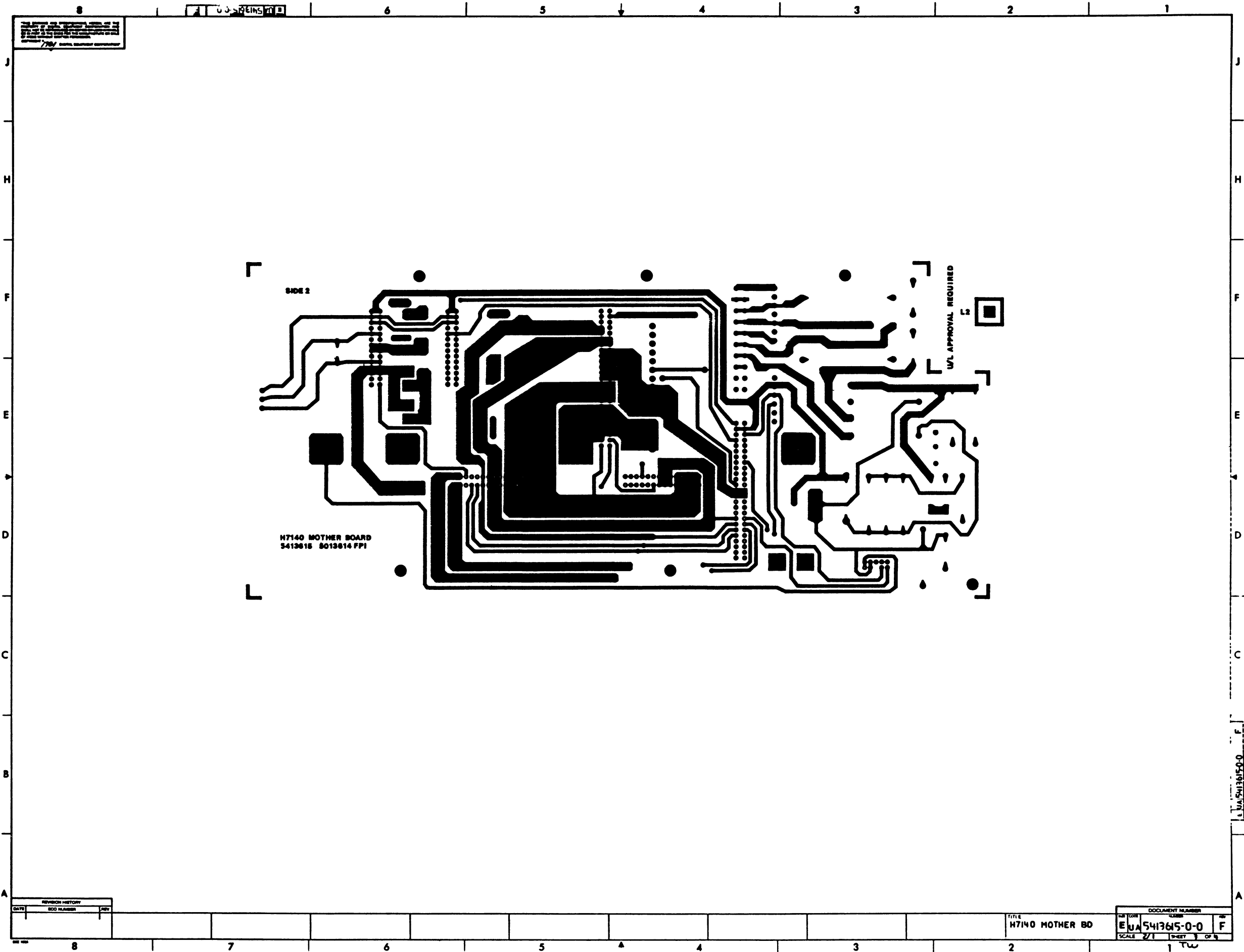
5413615
5013614 FPI

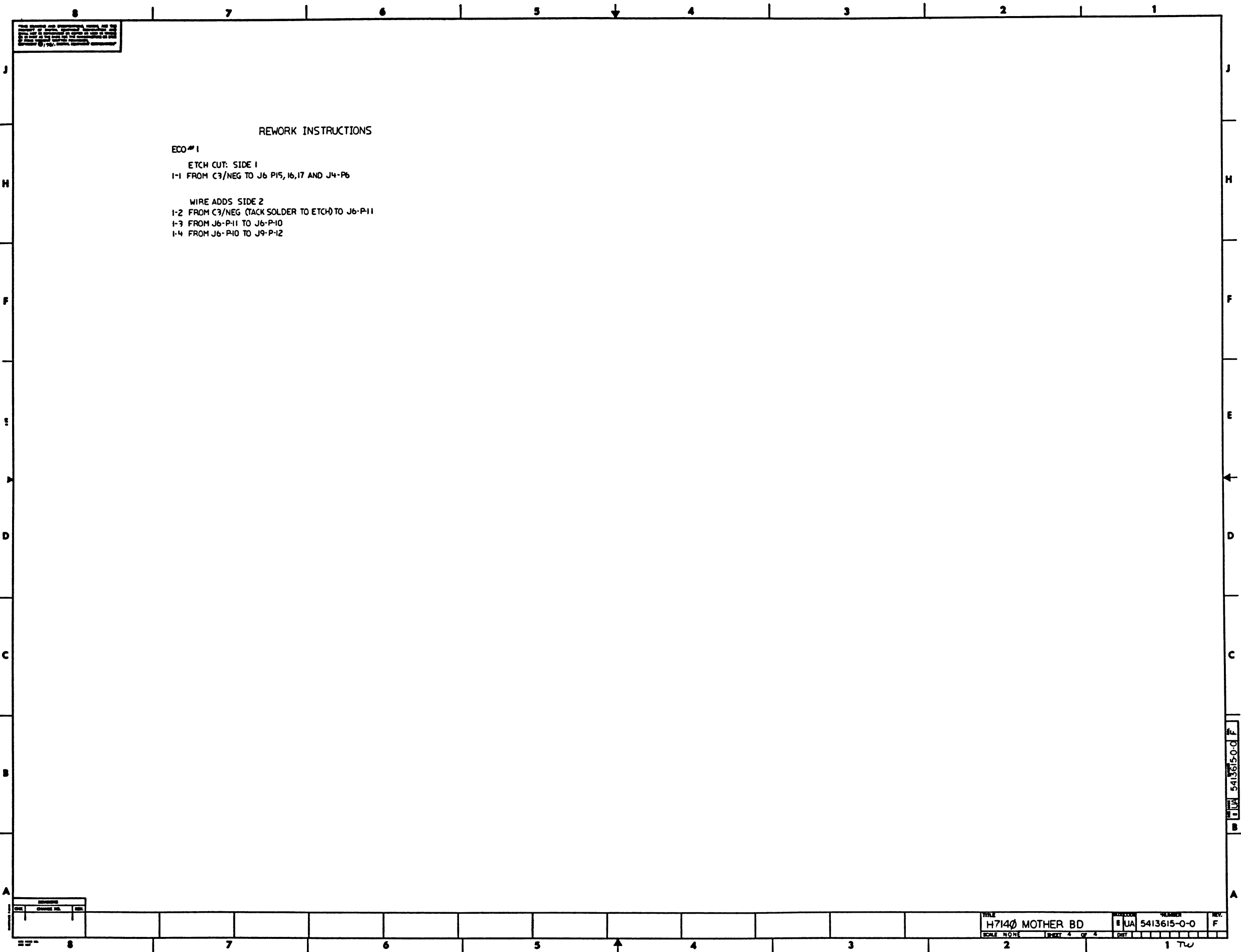
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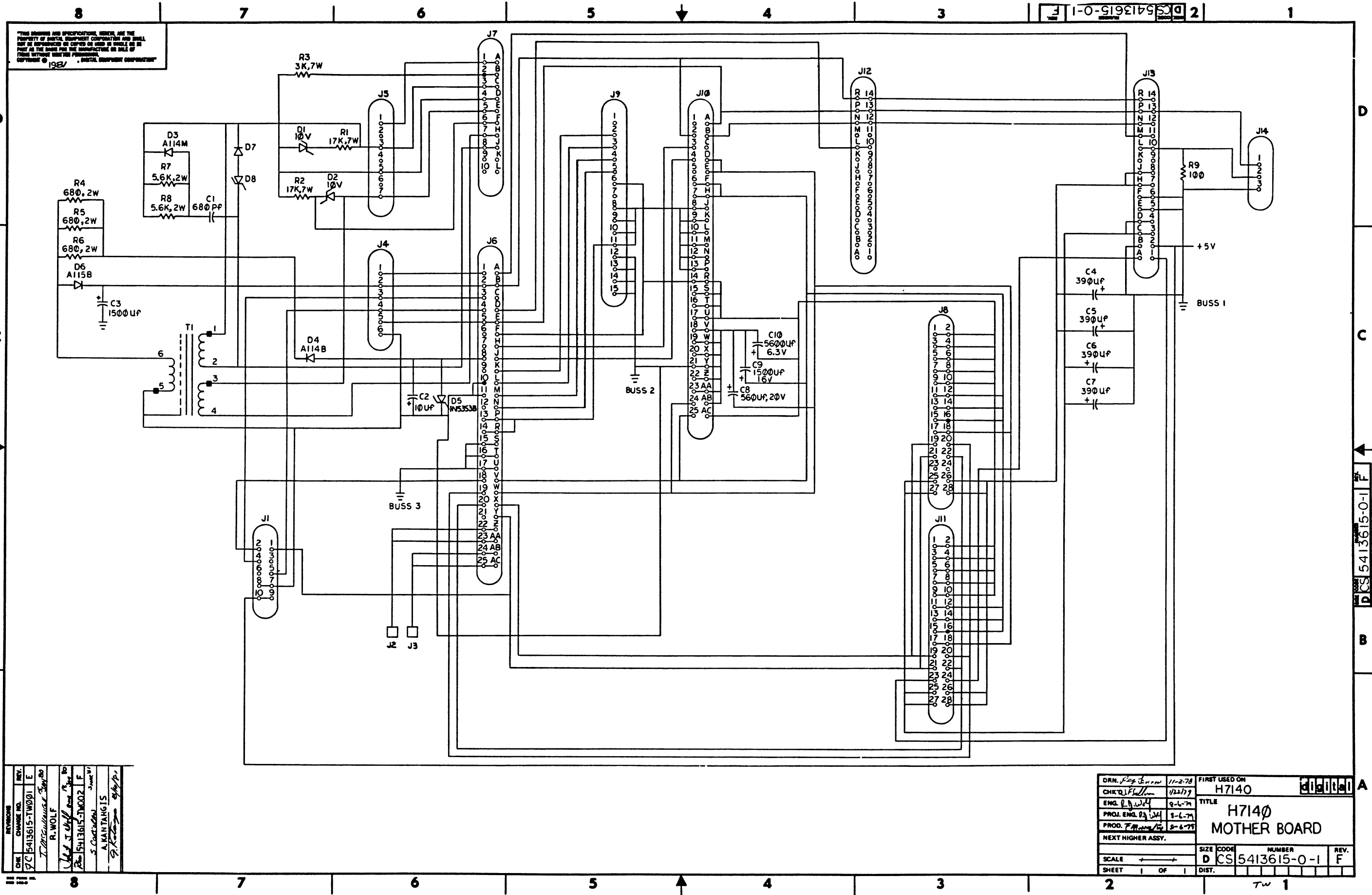
SIDE 1

TYPE 1

CSWAB C D E F H J K L M N P R S T U V W X







REV.	DATE	BY	CHKD.
1	11-2-78	R. WOLF	
2	11-2-78	A. KANTANGIS	
3	11-2-78		
4	11-2-78		
5	11-2-78		
6	11-2-78		
7	11-2-78		
8	11-2-78		

DRM. Rev. 11-2-78	FIRST USED ON	H7140
CHKD. 11-2-78	TITLE	H7140
ENG. 11-2-78		MOTHER BOARD
PROJ. ENG. 11-2-78		
PROD. 11-2-78		
NEXT HIGHER ASSY.		
SCALE	SIZE	CODE
SHEET 1 OF 1	D	CS
		NUMBER
		5413615-0-1
		REV.
		F

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
1	1	D-MD-5413614-0-0	5013614-00	DRILL & ETCH BD	1	
2	2		1004813-00	10 MFD 20V 10% S,TANT	1	C2
3	3		1012607-00	560 MFD 20V H% 672D AL EL	1	C8
4	4		1012607-06	390 MFD 20V H% 670 AL EL	4	C4-C7
5	5		1013280-00	680.0 MMF1000V 5%200PPM	1	C1
6	6		1014229-00	1500 MFD 16V +75-10% AL EL	2	C9,C3
7	7		1016169-00	5600 MFD 6.3V +75,-10% AL EL	1	C10
8	8		1110854-00	1N 5353B VZ= 16.0V 5% .40W M	1	D5
9	9		1100125-00	1N 758A VZ= 10.0 5% .40W PPE	2	D1,D2
10	10		1112594-01	A115B PIV=200 I= 3A	1	D6
11	11		1112595-01	A114B PIV=200 I= 1A	1	D4
12	12		1112595-02	A114M PIV=600 I= 1A	1	D3
13	13		1215341-01	HEADER 10POS VERTICAL	1	J1
14	14		1211004-00	SOCKET,100 20POS BOTTOM MOUNT	4	J12,J13,J11,J8
15	15		1211004-04	SOCKET,100 40POS	1	J7
16	16		1211004-05	SOCKET,100 50POS	2	J6,J10
17	17		1216122-01	HEADER,156 7POS KEYED	1	J5
18	18		1216122-02	HEADER,156 15POS KEYED	1	J9
19	19		1216122-04	HEADER,156 3POS	1	J14
20	20		1216122-05	HEADER,156 6POS	1	J4
21	21		1300229-00	100.0 .25 W 5.0 % CC	1	R9
22	22		1300348-00	580.0 2.0 W 5.0 % CC	3	R4-R6
23	23		1300456-00	5.60 K 2.0 W10.0 % CC	2	R7,R8
24	24		1316207-00	3.0 K 7W+,-5% WW	1	R3
25	26		1316209-00	17.0 K 7W+,-5% WW	2	R1,R2
26	27		1616215-00	XFMR P=240/360 S=5V	1	T1
27	28		7422391-00	SUPPORT,MOTHER BOARD	1	
28	29		9008219-00	TERM QUICK 1POS ADAPTER	2	J2,J3
29	31		9009000-00	FYELET, ROLLED FLANGE, .121 OD X	5	
30	32		9107688-55	WIRE(WRAP)24AWG UL1327 A/R		

REVISION HISTORY			BASIC PART NO: 5413615		OPN: M.CICCONE		DATE: 27-MAR-79		D I G I T A L			
ENG	ECO NUMBER	REV	SECTION A OF A									
	INITIAL	D	SECTION,VARIATION INDEX		CHK'D: F.T.GERRY		DATE: 27-MAR-79		TITLE PARTS LIST			
	R.W.TW001	E	[A] 00						MOTHER BOARD			
			[B]									
			[C]		DES.ENG: R.WOLF		DATE: 27-MAR-79					
			[D]									
			[E]						DOCUMENT NUMBER			
			[F]		RESP.ENG.: R.WOLF		DATE: 27-MAR-79					
			[H]									
			[J]						SIZE CODE NUMBER REV			
			[K]		MFG.ENG.: P.WAITKUS		DATE: 6-AUG-79		K PL 5413615-0-DBP E			
			[L]									
			[M]		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME: 20376E,PLS			
			[N]		ID-UA-5413615-0-0				EDIT # 7			

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AUTOMATED BY PRTLST,3J(25)

P A R T S L I S T

SHEET A2 OF A2

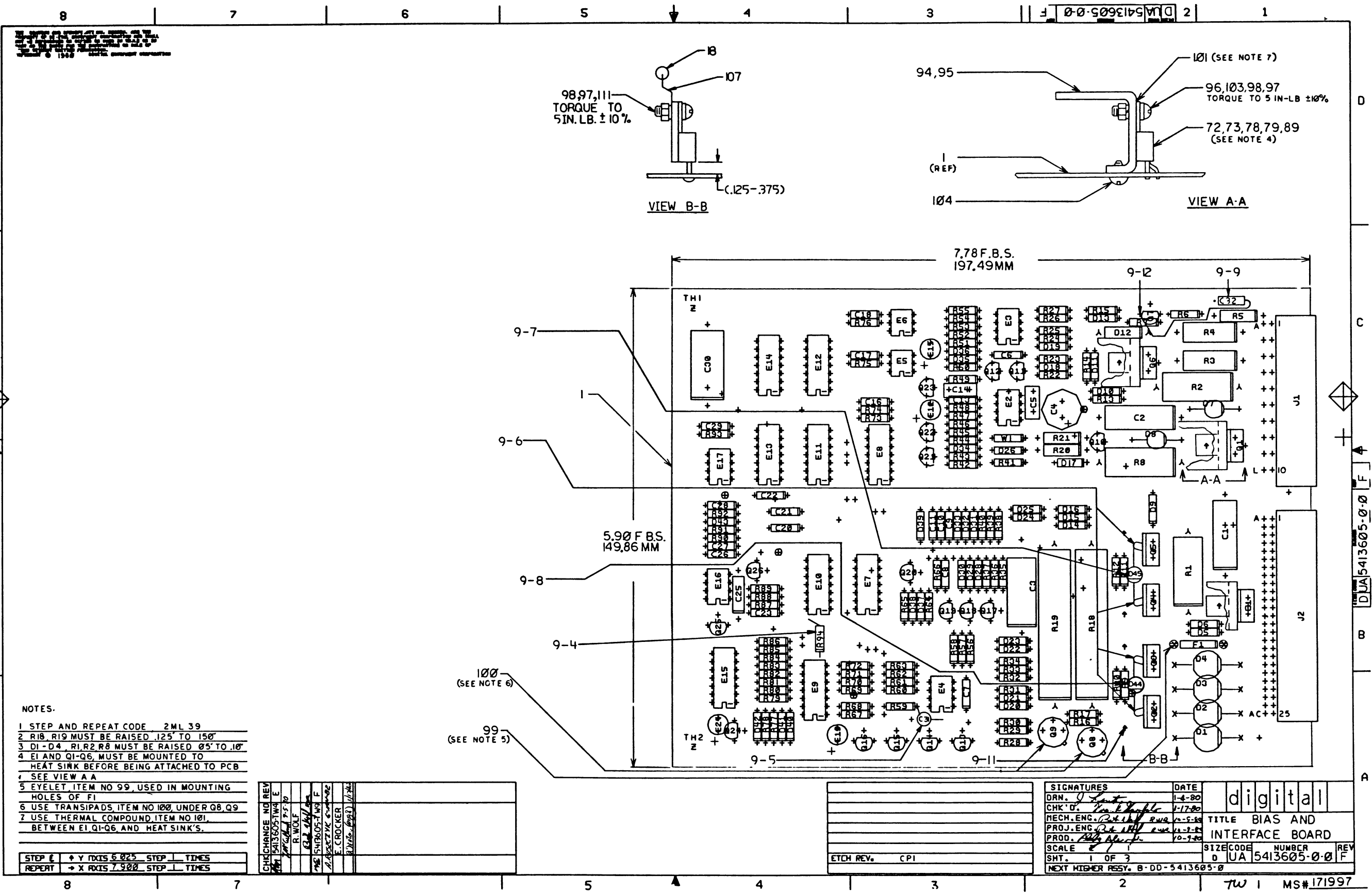
LINE ITEM DOCUMENT NUMBER PART NUMBER DESCRIPTION QTY PER VARIATION REFERENCE DESIGNATOR

60

31 NOTE: FOR ITEM #32, 46' IS USED.

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							MOTHER BOARD		K	PL	5413615-0-DBP	E

TW



- NOTES.
- 1 STEP AND REPEAT CODE 2ML 39
 - 2 R18, R19 MUST BE RAISED .125" TO .150"
 - 3 D1-D4, R1, R2, R8 MUST BE RAISED .05" TO .10"
 - 4 E1 AND Q1-Q6, MUST BE MOUNTED TO HEAT SINK BEFORE BEING ATTACHED TO PCB
 - 5 SEE VIEW A A
 - 5 EYELET ITEM NO 99, USED IN MOUNTING HOLES OF F1
 - 6 USE TRANSIPADS, ITEM NO 100, UNDER Q8, Q9
 - 7 USE THERMAL COMPOUND, ITEM NO 101, BETWEEN E1, Q1-Q6, AND HEAT SINK'S.

STEP	6	→ Y AXIS 5.025	STEP	1	TIMES
REPEAT	→ X AXIS 7.920	STEP	1	TIMES	

CHANGE NO	REV	DATE	BY	CHK
1	1	1-4-80	R. WOLF	
2	1	1-17-80		
3	1	1-17-80		
4	1	1-17-80		
5	1	1-17-80		
6	1	1-17-80		
7	1	1-17-80		
8	1	1-17-80		
9	1	1-17-80		
10	1	1-17-80		

ETCH REV.	CPI
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SIGNATURES		DATE	digital
DRN. 1-4-80		1-4-80	
CHK'D. 1-17-80		1-17-80	
MECH. ENG. 1-17-80		1-17-80	
PROJ. ENG. 1-17-80		1-17-80	
PROD. 1-17-80		1-17-80	
SCALE 1 OF 3			
SHT. 1 OF 3			
NEXT HIGH RES. 8-00-5413605-0			

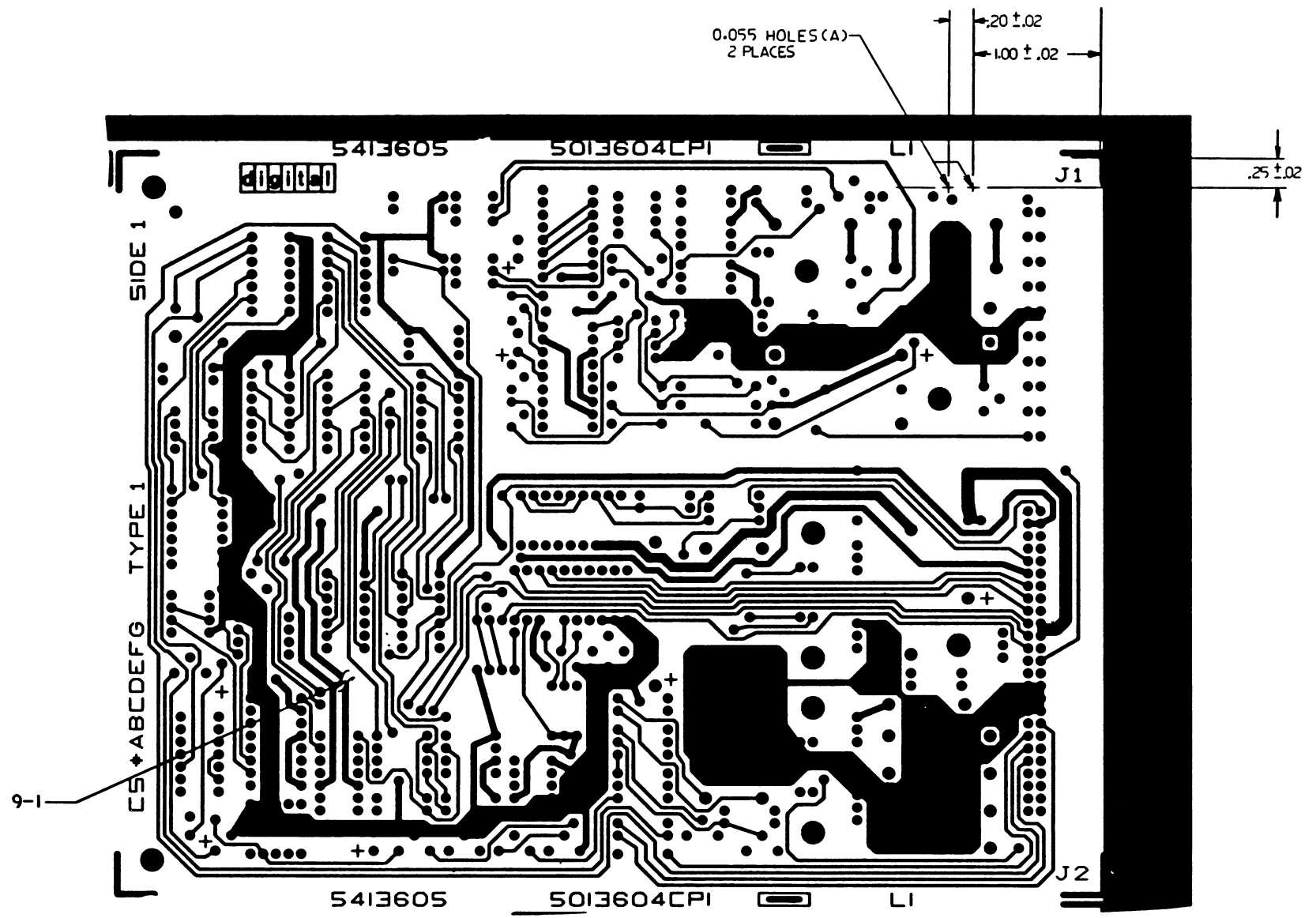
TITLE BIAS AND INTERFACE BOARD

SIZE CODE NUMBER REV
D UA 5413605-0-0 F

tw 1 MS#171997

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REV 1
DATE 11-1-77
BY J. J. J.
DUA 5413605-0-0 F



REV 1
DATE 11-1-77
BY J. J. J.
DUA 5413605-0-0 F

REV 1
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BY J. J. J.
DUA 5413605-0-0 F

REV 1
DATE 11-1-77
BY J. J. J.
DUA 5413605-0-0 F

TITLE
BIAS AND
INTERFACE BOARD

DOCUMENT NUMBER			
REV	CODE	NUMBER	REV
D	UA	5413605-0-0	F
SCALE	2/1	SHEET 2	OF 3

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REWORK INSTRUCTIONS

ECO #9

ETCH CUTS SIDE 1:

9-1 CUT ETCH FROM E9-3 TO C20.

ETCH CUTS SIDE 2:

9-2 CUT ETCH FROM Q4-C TO Q5-C.

9-3 CUT ETCH FROM Q2-C TO Q3-C.

COMPONENT ADDS SIDE 1

9-4 INSTALL R94 ACROSS ETCH CUT 9-1 BY TACK SOLDER AS SHOWN.

9-5 INSTALL POS. END OF C31 TO END OF R59 ADJACENT TO E4 USING A .125" LENGTH OF TUBING (ITEM 110) AND SOLDERING NEG. END TO ETCH BETWEEN E4 AND Q14.

9-6 INSTALL SOLDER TERMINALS (ITEM 107) ON COLLECTOR TABS OF Q2-Q5 USING EXISTING HARDWARE AS SHOWN.

9-7 CONNECT D45 TO TERMINALS ON Q4 AND Q5 WITH CATHODE (BLACK BAND) CONNECTED TO Q4.

9-8 CONNECT D44 TO TERMINALS ON Q2 AND Q3 WITH CATHODE (BLACK BAND) CONNECTED TO Q2.

9-9 INSTALL C32 BY DRILLING TWO .055 HOLES (AS SHOWN ON SHEET 2 OF 3 OF THE UA PRINT) AND INSTALL GRIPLET (P/N 12-10244-01) IN HOLE NEAREST EDGE CONNECTOR ONLY. TACK SOLDER TO ETCH BETWEEN R5 AND R6 ON SIDE 2.

COMPONENT DELETE SIDE 1:

9-10 REMOVE HEAT SINKS (ITEM 95) FROM Q2- Q5.

COMPONENT DELETE SIDE 2:

9-11 REMOVE FOUR(4) TAPPING SCREWS (ITEM 104) USED TO SECURE HEAT SINKS (ITEM 95).

WIRE ADDS SIDE 1:

9-12 INSTALL WIRE (ITEM 114) IN HOLE WITH GRIPLET AND CONNECT TO Q7 COLLECTOR.

REVISION HISTORY		
DATE	ECO NUMBER	REV

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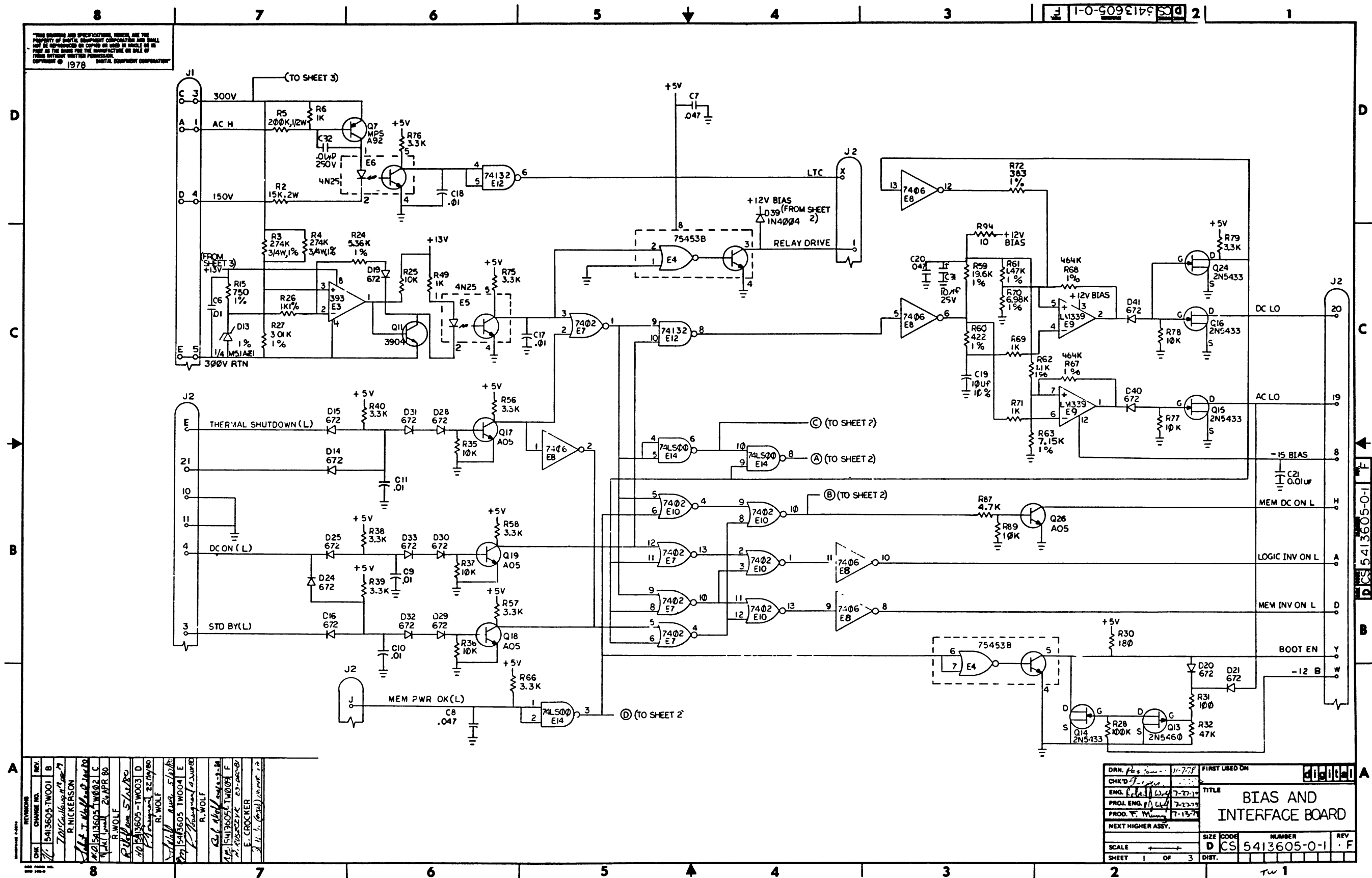
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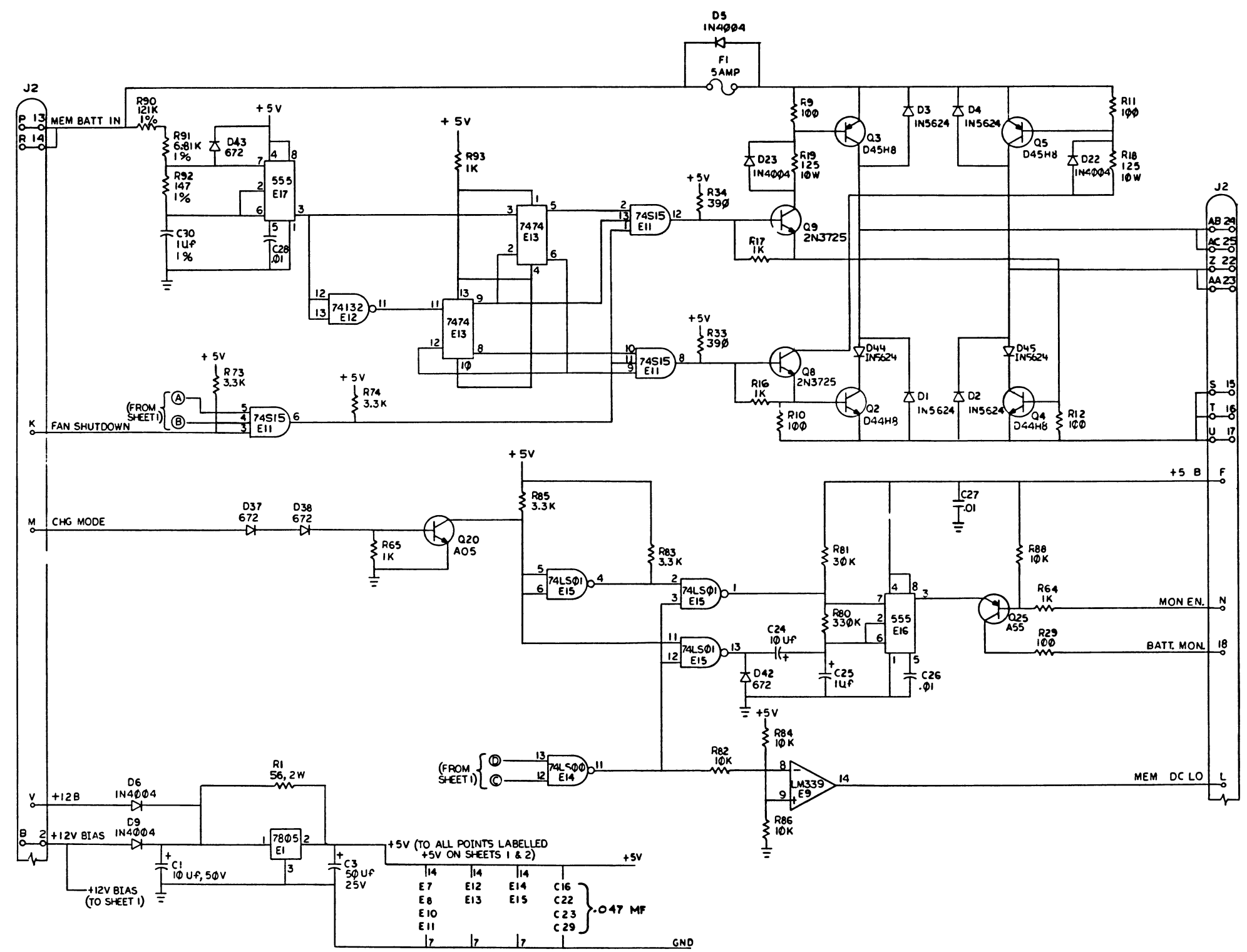
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TITLE BIAS AND
INTERFACE BOARD

DOCUMENT NUMBER			
SIZE	CODE	NUMBER	REV
D	UA	5413605-0-0	F
SCALE 2/1		SHEET 3 OF 3	

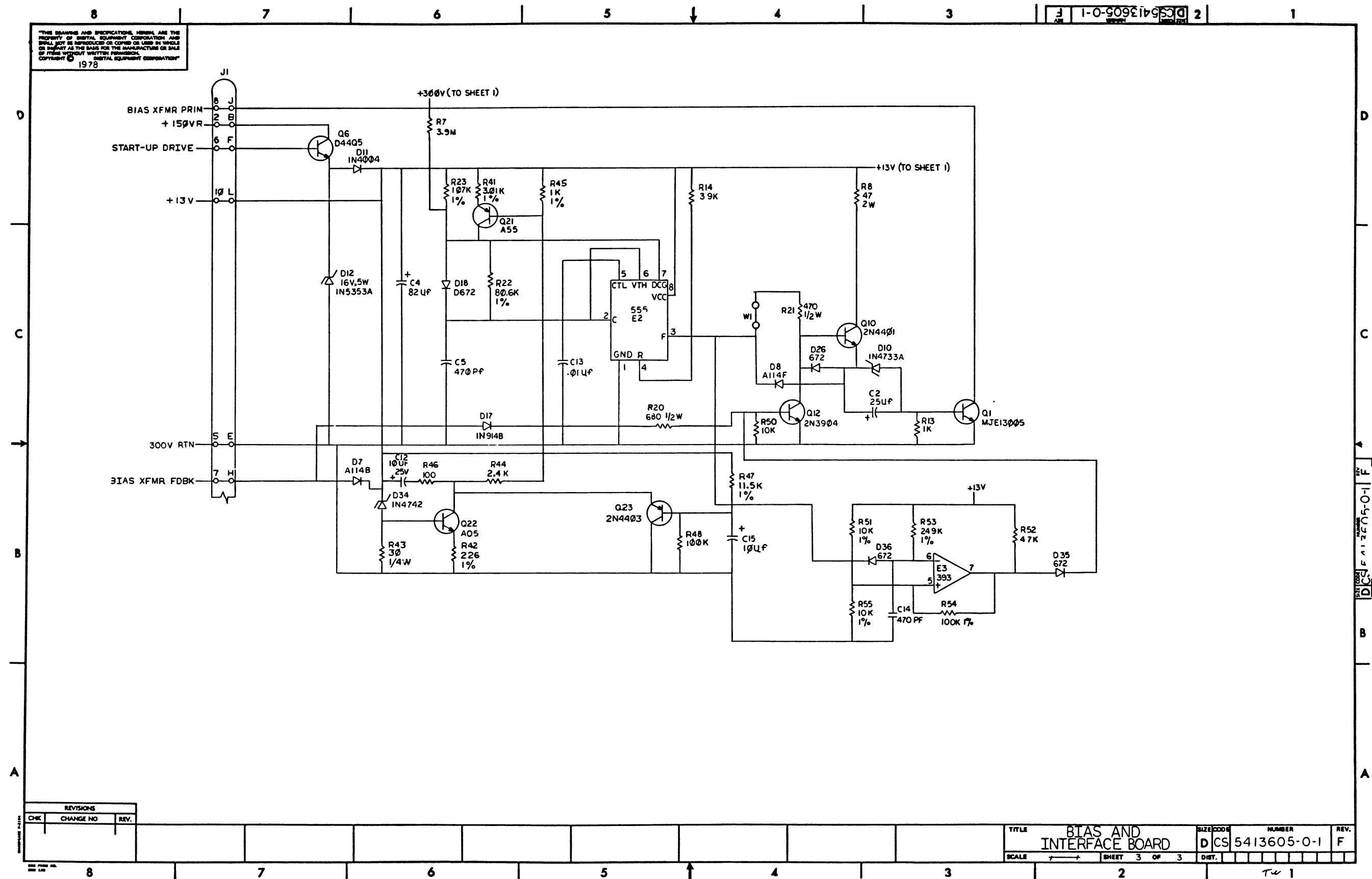


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1978



REVISIONS		
CHK	CHANGE NO.	REV

TITLE		BIAS AND INTERFACE BOARD	SIZE CODE	D	CS	5413605-0-1	NUMBER	1	REV.	F
SCALE		1:1	SHEET	2	OF	3	DIST.			



LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
1	1	D-MD-5013604-0-0	5013604-00	DRILL & ETCH BD	1	
2	2		1000024-00	470.0 MMF 100V 5%200PPM MICA	2	C5,C14
3	3		1000070-00	10 MFD 50V+100-10% AL EL	1	C1
4	4		1000075-00	25 MFD 25V +75-10% AL EL	1	C2
5	5		1001610-00	.01 MFD 50V +80-20% 25U CER	12	C6,C8-C11,C13,C17,C18,C21, C26-C28
6	6		1001776-00	1 MFD 35V 10% S.TANT	1	C25
7	7		1001796-00	50 MFD 25V +75-10% AL EL	1	C3
8	8		1010866-02	10 MFD 25V +50-20% S.TANT	4	C12,C15,C19,C24
9	9		1012784-00	.047 MFD 50V +80-20% CER	6	C7,C16,C20,C22,C23,C29
10	10		1013252-00	82 MFD 50V+100-10% AL EL	1	C4
11	11		1016138-00	1 MFD 50V 1% M.POLYCARB	1	C30
12	12		1105275-00	D 672 TR= 15NS PIV= 60V SI	24	D14-D16,D18-D21,D24-D26,D28-D33, D35-D38,D40-D43
13	13		1105796-00	1N 4004 PIV=400 I= 1A D041 SP	7	D5,D6,D9,D11,D22,D23,D39
14	14		1105871-00	1/4M5.1AZ1 = 5.1 1% .25W N	1	D13
15	15		1109502-00	1N 4742 VZ= 12.0 10% 1W Y	1	D34
16	16		1109517-00	1N 914B TR= 4NS PIV= 75V SY	1	D17
17	17		1109943-00	1N 4733A VZ= 5.1 5% 1W Y	1	D10
18	18		1110420-00	1N 5624 PIV=200 I= 5A	4	D1-D4
19	19		1110854-00	1N 5353B VZ= 16.0V 5% .40W M	1	D12
20	20		1112595-00	A114F PIV= 50 I= 1A	1	D8
21	21		1112595-01	A114B PIV=200 I= 1A	1	D7
22	22		1205747-00	FUSE, SUB-MINI, 5.000A, 125V, A	1	F1
23	23		1216112-02	HEADER.100 40POS RT ANGLE	1	J1
24	24		1216112-03	HEADER.100 50POS RT ANGLE	1	J2
25	25		1300229-00	100.0 .25 W 5.0 % CC	7	R9-R12,R29,R31,R46
26	26		1300309-00	390.0 .25 W 5.0 % CC	2	R33,R34
27	27		1300315-00	470.0 .50 W 5.0 % CC	1	R21
28	28		1300347-00	680.0 .50 W 5.0 % CC	1	R20

REVISION HISTORY			BASIC PART NO: 5413605		DRN:	J.FERGUSON	DATE: 16-OCT-80	D I G I T A L							
ENG	ECO NUMBER	REV	SECTION A OF A												
---	INITIAL	E	SECTION.VARIATION INDEX		CHK'D:	F.GAROFALO	DATE: 16-OCT-80	TITLE		PARTS LIST					
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			[B]												
			[C]		DES.ENG:	R.WOLF	DATE: 16-OCT-80								
			[D]												
			[E]					DOCUMENT NUMBER							
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LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00		
29	29		1300365-00	1.0 K .25 W 5.0 % CC	10		R6,R13,R16,R17,R49,R64,R65,R69, CONT R71,R93
30	30		1300439-00	3.30 K .25 W 5.0 % CC	14		R38-R40,R56-R58,R66,R73-R76,R79, CONT R83,R85
31	31		1300444-00	3.90 K .25 W 5.0 % CC	1		R14
32	32		1300447-00	4.70 K .25 W 5.0 % CC	2		R52,R87
33	33		1300479-00	10.0 K .25 W 5.0 % CC	12		R25,R35-R37,R50,R77,R78,R82,R84, CONT R86,R88,R89
34	34		1301322-00	180.0 .25 W 5.0 % CC	1		R30
35	35		1302091-00	330.0 K .25 W 5.0 % CC	1		R80
36	36		1302177-00	47.0 K .25 W 5.0 % CC	1		R32
37	37		1302334-00	15.0 K 2.0 W 5.0 % CC	1		R2
38	38		1302394-00	30.0 K .25 W 5.0 % CC	1		R81
39	39		1302466-00	100.0 K .25 W 5.0 % CC	2		R28,R48
40	40		1302479-00	200.0 K .50 W 5.0 % CC	1		R5
41	41		1302644-00	226.0 .25 W 1.0 % RN55D-F10	1		R42
42	42		1302645-00	1.10 K .25 W 1.0 % RN55D-F10	1		R62
43	43		1302748-00	1.0 K .25 W 1.0 % RN55C-F 5	2		R26,R45
44	44		1302751-00	30.0 .25 W 5.0 % CC	1		R43
45	45		1302836-00	56.0 2.0 W 5.0 % CC	1		R1
46	46		1302860-00	11.50 K .25 W 1.0 % RN55D-F10	1		R47
47	47		1302874-00	147.0 .25 W 1.0 % RN55D-F10	1		R92
48	48		1302955-00	750.0 .25 W 1.0 % RN55D-F10	1		R15
49	49		1303067-00	422.0 .25 W 1.0 % RN55D-F10	1		R60
50	50		1303177-00	2.40 K .25 W 5.0 % CC	1		R44
51	51		1303305-00	6.98 K .25 W 1.0 % RN55D-F10	1		R70
52	52		1303322-00	274.0 K .75 W 1.0 % RN65D-F10	2		R3,R4
53	53		1303438-00	121.0 K .25 W 1.0 % RN55D-F10	1		R90
54	54		1304870-00	6.81 K .25 W 1.0 % RN55D-F10	1		R91
55	55		1305108-00	1.47 K .25 W 1.0 % RN55D-F10	1		R61
56	56		1305125-00	383.0 .25 W 1.0 % RN55D-F10	1		R72
57	57		1305253-00	7.15 K .25 W 1.0 % RN55D-F10	1		R63
58	58		1305357-00	125.0 10.0 W 5.0 % WW	2		R18,R19
59	59		1309419-00	19.60 K .25 W 1.0 % RN55D-F10	1		R59
60	60		1305405-00	24.90 K .25 W 1.0 % RN55D-F10	1		R53
61	61		1313341-00	5.36 K .25 W 1.0 % RN55D-F10	1		R24
62	62		1313775-00	80.60 K .25 W 1.0 % RN55D-F10	1		R22
63	63		1313843-00	107.0 K .25 W 1.0 % RN55D-F10	1		R23
64	64		1314023-00	47.0 2.0 W 5.0 % CC	1		R8
65	65		1314041-00	3.01 K .25 W 1.0 % RN55D-F10	2		R27,R41
66	66		1314121-00	1.0 M .25 W 1.0 % RN55D-F10	2		R67,R68
67	67		1314387-00	3.90 M .25 W 5.0 % CC	1		R7
68	68		1509524-00	2N 3904 NPN 310MW SI 40 40 M	2		Q11,Q12
69	69		1510233-00	2N 5460 FET 310MW SIP CHNNL	1		Q13
70	70		1510705-00	XA 05 NPN 500MW SI 60 50 P	6		Q17-Q20,Q22,Q26
71	71		1510706-00	XA 55 PNP 500MW SI 60 50 P	2		Q21,Q25
72	72		1510707-00	D 44HB NPN 25W SI 60Q2A	2		Q2,Q4
73	73		1510708-00	D 45HB PNP 50WT SI 60 60 Y	2		Q3,Q5

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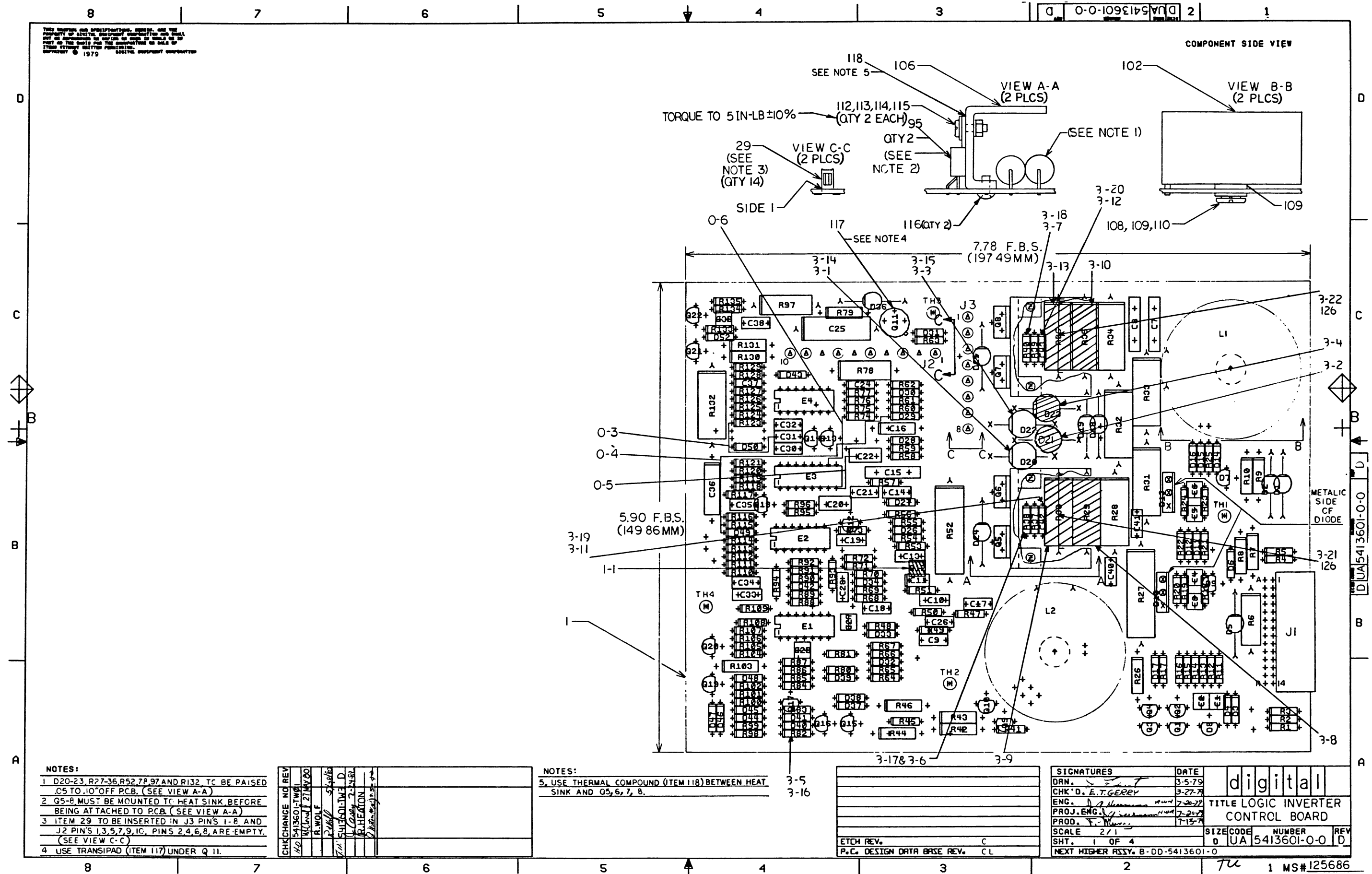
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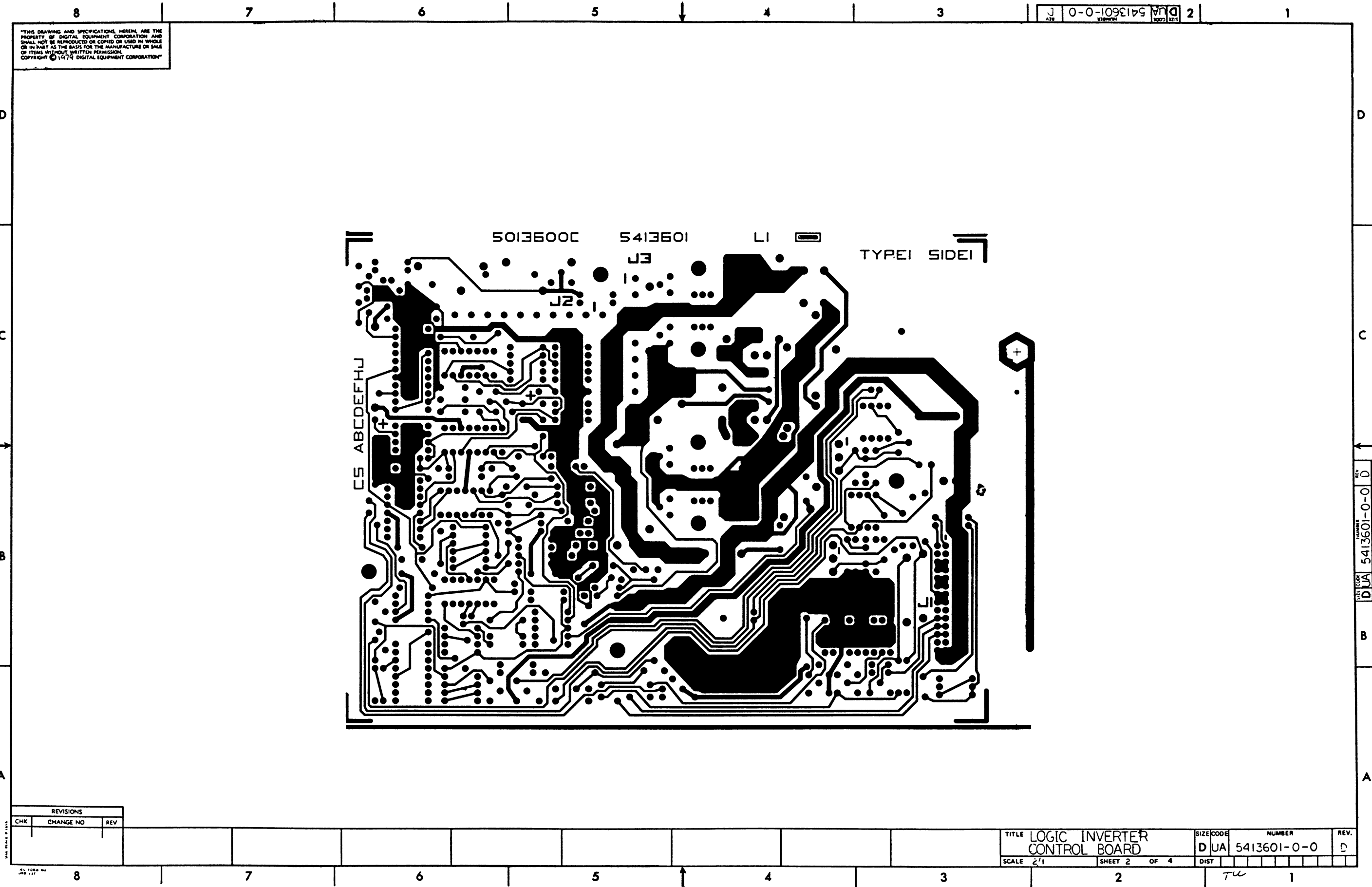
SHEET A3 OF A3

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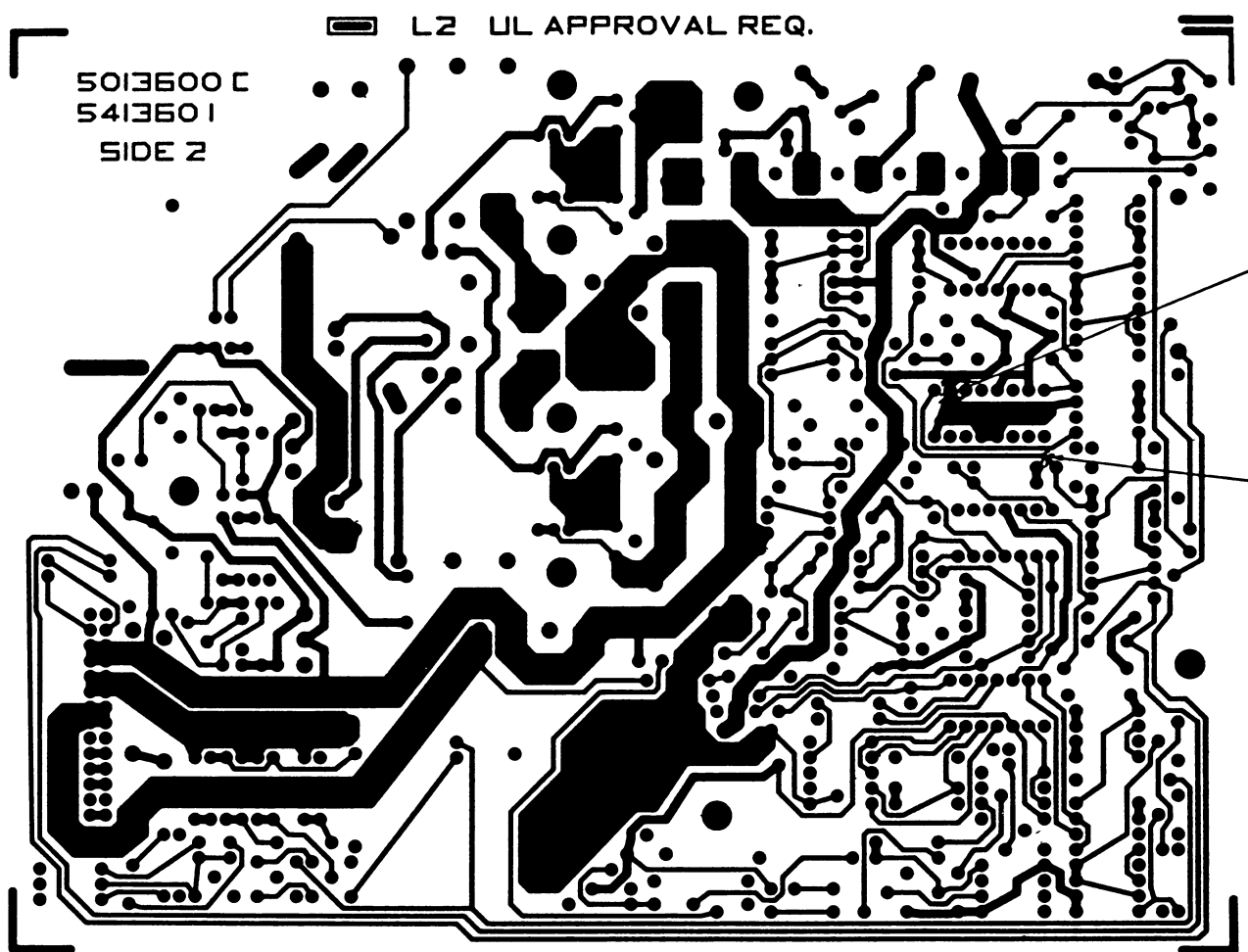
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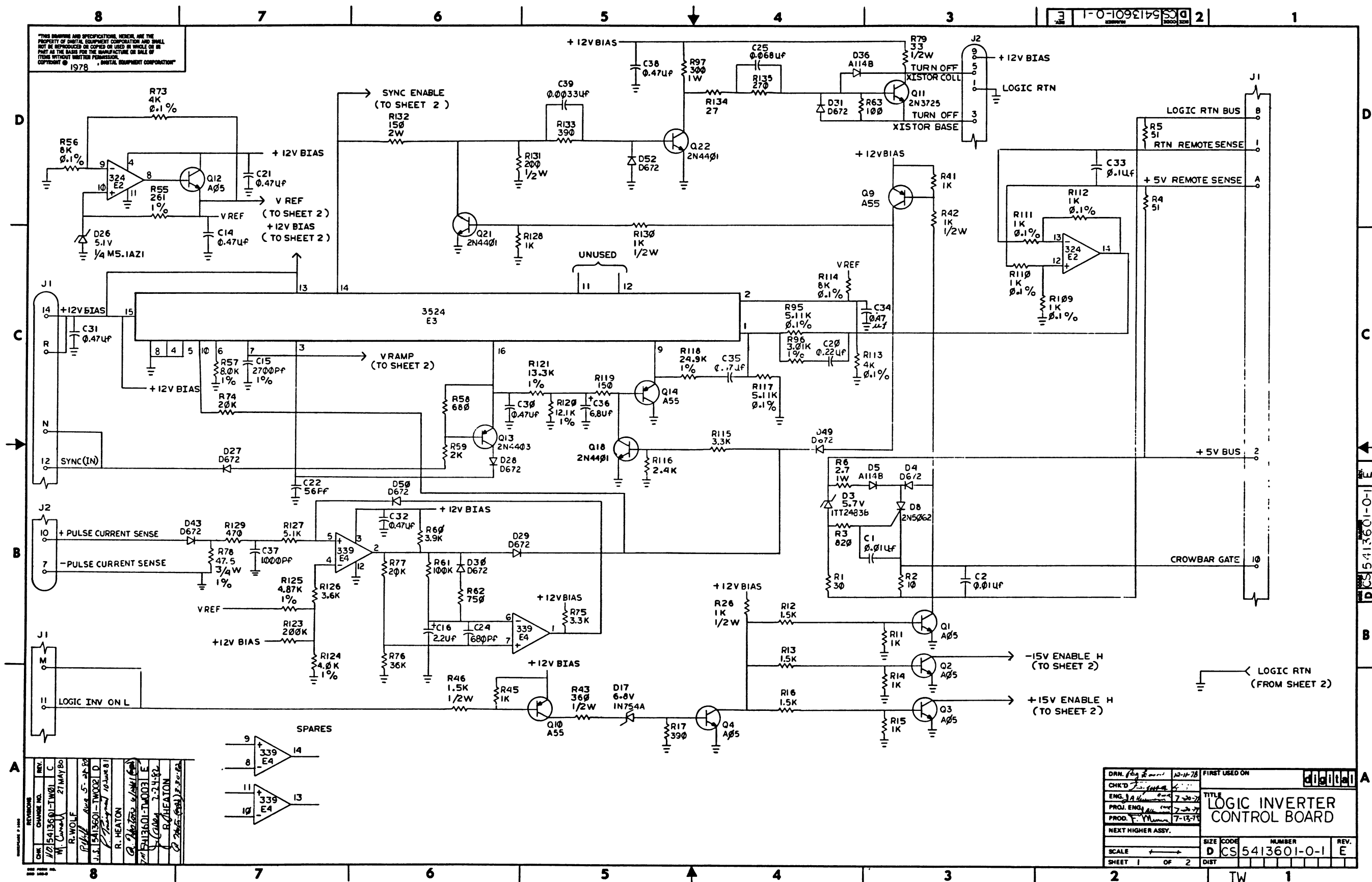


REVISIONS		
CHK	CHANGE NO	REV

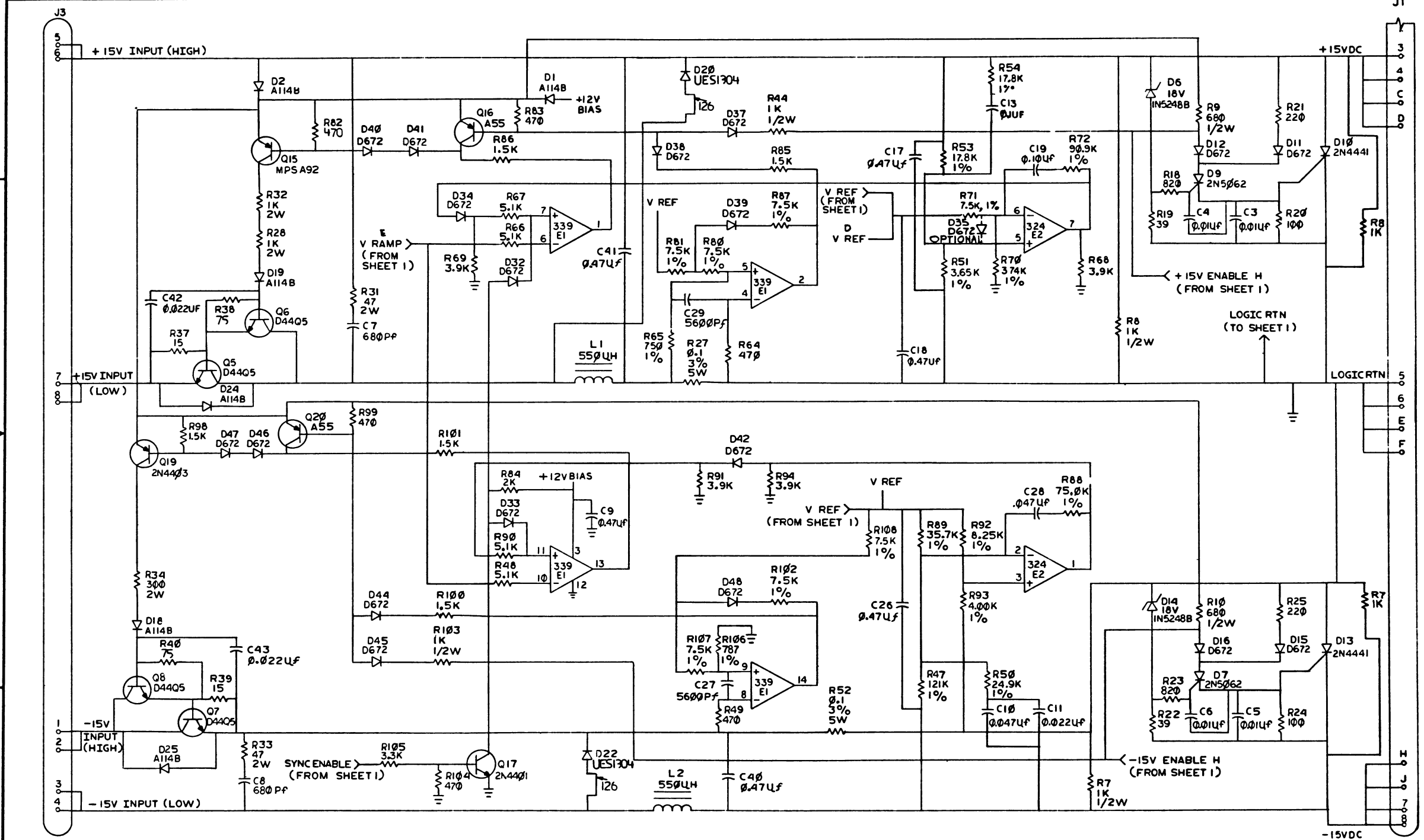
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SCALE		2/1	SHEET		3	OF		4
DIST.								

REV. D
5413601-0-0
D UA

8	6	5	4	3	2	1																												
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REWORK INSTRUCTIONS:																																		
ETCH CUTS SIDE 2																																		
0-1 CUT ETCH ON BOTH SIDES OF E3-10 (2 CUTS)																																		
0-2 FROM R74 TO Q18/BASE (CUT NEAR BASE)																																		
WIRE ADD SIDE 1																																		
0-3 FROM R123 TO C31																																		
0-4 FROM D49/CATHODE TO D29/CATHODE																																		
0-5 FROM E3-8 TO C22																																		
0-6 FROM E3-10 TO R74.																																		
REWORK INSTRUCTIONS: (ECO #1)																																		
COMPONENT DELETE SIDE 1																																		
1-1 DELETE C12																																		
REWORK INSTRUCTIONS: (ECO #)																																		
COMPONENT DELETES SIDE 1:																																		
3-1 DELETE D20 DEC P/N 11-12594-01																																		
3-2 DELETE D21 DEC P/N 11-12594-01																																		
3-3 DELETE D22 DEC P/N 11-12594-01																																		
3-4 DELETE D23 DEC P/N 11-12594-01																																		
3-5 DELETE R82 DEC P/N 13-00391-00																																		
3-6 DELETE R38 DEC P/N 13-00271-00																																		
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3-12 DELETE C43 DEC P/N 10-12783-00																																		
3-13 DELETE R36 DEC P/N 13-11604-00																																		
COMPONENT ADDS SIDE 1:																																		
3-14 ADD C20 DEC P/N 11-15273-00																																		
3-15 ADD L22 DEC P/N 11-15273-00																																		
3-16 ADD R82 DEC P/N 13-00316-00																																		
3-17 ADD R38 DEC P/N 13-02379-00																																		
3-18 ADD R40 DEC P/N 13-02379-00																																		
3-19 ADD C42 DEC P/N 10-11683-00																																		
3-20 ADD C43 DEC P/N 10-11683-00																																		
WIRE ADDS SIDE 1:																																		
3-21 ADD JUMPER DEC P/N 91-07560-03 IN FORMER LOCATION OF R30																																		
3-22 ADD JUMPER DEC P/N 91-07560-03 IN FORMER LOCATION OF R36																																		
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REVISION HISTORY			DOCUMENT NUMBER																															
DATE	ECO NUMBER	REV	SIZE	CODE	NUMBER	REV																												
			D	UA	5413601-0-0	D																												
			SCALE	NONE	SHEET 4	OF 4																												
TITLE LOGIC INVERTER CONTROL BOARD																																		
8 7 6 5 4 3 2 1																																		



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REVISIONS		
CHK	CHANGE NO.	REV.

TITLE LOGIC INVERTER CONTROL BOARD
SCALE SHEET 2 OF 2
REV. E

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
					00	
1	1	D-MD-5013600-0-0	5013600-00	DRILL & ETCH BD	1	
2	2		1010978-24	.01 MFD 50V 10% CER	6	C1-C6
3	3		1013280-00	680.0 MMF 1000V 5%200PPM MICA	2	C7,C8
4	4		1010279-01	.47 MFD 25V 20% CER	14	C9,C14,C18,C21,C30-C32,C34,C35, CONT C38,C17,C26,C40,C41
5	5		1010978-32	.047 MFD 50V 10% CER	2	C10,C28
6	6		1011683-00	.022 MFD 50V 10% CER	1	C11
7	7		1014170-00	2700.0 MMF 100V 1% 70PPM MICA	1	C15
8	8		1002627-00	2.2MFD 20V 10% S.TANT	1	C16
9	9	BLANK		*** THIS ITEM IS NOT USED ***	-	
10	10		1010978-36	.1 MFD 50V 10% CER	3	C19,C33,C13
11	11		1010274-00	.22 MFD 50V +80-20% Z5U CER	1	C20
12	12		1000012-00	56.0 MMF 100V 5%200PPM MICA	1	C22
13	13		1013466-08	680.0 MMF 50V 10% X7R CER	1	C24
14	14		1000052-00	.0008 MFD 100V 10% MYLR	1	C25
15	15		1012783-00	.022 MFD 50V +80-20% CER	2	C43,C42
16	16		1011740-00	5600.0 MMF 50V 10% CER	2	C27,C29
17	17		1005306-00	6.8MFD 35V 10% S.TANT	1	C36
18	18		1013466-09	1000.0 MMF 50V 10% X7R CER	1	C37
19	19		1011740-01	3300.0 MMF 50V 10% CER	1	C39
20	20		1112595-01	A114B PIV=200 I= 1A	8	D1,D2,D5,D18,D19,D24,D25,D36
21	21		1111205-00	SCREENED VZ= 5.7 2% .40W	1	D3
22	22		1105275-00	D 672 TR= 15NS PIV= 60V SI	28	D4,D11,D12,D15,D16,D27-D34, CONT D37-D50,D52
23	23		1110766-00	1N 5248B VZ= 18.0 5% .50W	2	D6,D14
24	24		1110968-00	2N 5062 SCRA100V I=.8A T092	3	D7-D9
25	25		1109991-00	1N 754A VZ= 6.8 5% .40W	1	D17
26	26		1112594-01	A115B PIV=200 I= 3A	4	D20-D23
27	27		1105871-00	1/4M5,1A21 = 5.1 1% .25W N	1	D26
28	28		1105873-00	*** THIS ITEM IS NOT USED ***	-	

REVISION HISTORY			BASIC PART NO: 5413601			DRN: J.LENT			DATE: 3-JAN-79			D I G I T A L			
ENG	ECO NUMBER	RFV	SECTION A OF A			CHK'D: F.GERRY			DATE: 19-JUL-79			TITLE PARTS LIST			
---	INITIAL	B	SECTION VARIATION INDEX			DEF.ENG: J.A.HERRMANN <td colspan="3">DATE: 19-JUL-79<td colspan="3">LOGIC INVERTER CONTROL BD</td></td>			DATE: 19-JUL-79 <td colspan="3">LOGIC INVERTER CONTROL BD</td>			LOGIC INVERTER CONTROL BD			
---	INITIAL	B	[A] 00												
RW	5413601-TW001	IC	[B]												
RH	5413601-TW002	ID	[C]												
			[D]												
			[E]									DOCUMENT NUMBER			
			[F]			RFSP.ENG.: J.A.HERRMANN <td colspan="3">DATE: 19-JUL-79<td colspan="3"></td></td>			DATE: 19-JUL-79 <td colspan="3"></td>						
			[H]									SIZE CODE NUMBER REV			
			[J]												
			[K]			MFG.ENG.: F.MUNIZ <td colspan="3">DATE: 19-JUL-79</td> <td>K</td> <td>PL</td> <td>5413601-0-DBP</td> <td>D</td>			DATE: 19-JUL-79			K	PL	5413601-0-DBP	D
			[L]												
			[M]			ASSEMBLY NUMBER: <td colspan="3">TOP DOCUMENT NUMBER:<td colspan="3">FILE NAME:<td>EDIT #</td></td></td>			TOP DOCUMENT NUMBER: <td colspan="3">FILE NAME:<td>EDIT #</td></td>			FILE NAME: <td>EDIT #</td>			EDIT #
			[N]			D-UA-5413601-0-0 <td colspan="3"></td> <td colspan="3">Z0400.PLS</td> <td>22</td>						Z0400.PLS			22
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TW

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
					00	
29	29		121172R-00	SOCKET 1POS STRIP FORM	14	J2,J3
30	30		1216112-01	HEADER,100 28POS RT ANGLE	1	J1
31	31		1302751-00	30.0 .25 W 5.0 % CC	1	R1
32	32		1301317-00	10.0 .25 W 5.0 % CC	1	R2
33	33		1301775-00	820.0 .25 W 5.0 % CC	3	R3,R18,R23
34	34		131292R-00	51.0 .25 W 5.0 % CC	2	R4,R5
35	35		1310382-00	2.70 1.0 W 5.0 % CC	1	R6
36	36		1300364-00	1.0 K .50 W 5.0 % CC	7	R7,R8,R26,R42,R44,R103,R130
37	37		1300347-00	680.0 .50 W 5.0 % CC	2	R9,R10
38	38		1300365-00	1.0 K .25 W 5.0 % CC	6	R11,R14,R15,R41,R45,R128
39	39		1300391-00	1.50 K .25 W 5.0 % CC	9	R12,R13,R16,R82,R85,R86,R98, CONT R100,R101
40	40		1300309-00	390.0 .25 W 5.0 % CC	2	R17,R133
41	41		1302377-00	39.0 .25 W 5.0 % CC	2	R19,R22
42	42		1300229-00	100.0 .25 W 5.0 % CC	3	R20,R24,R63
43	43		1300271-00	220.0 .25 W 5.0 % CC	4	R21,R25,R38,R40
44	44		1305872-00	.10 5.0 W 3.0 % WW	2	R27,R52
45	45		1301952-00	1.0 K 2.0 W 5.0 % CC	2	R28,R32
46	46		1311604-00	.20 3.0 W 3.0 % WW	4	R29,R30,R35,R36
47	47		1314023-00	47.0 2.0 W 5.0 % CC	2	R31,R33
48	48		1309855-00	300.0 2.0 W 5.0 % CC	1	R34
49	49		1301421-00	15.0 .25 W 5.0 % CC	2	R37,R39
50	50		1302955-00	750.0 .25 W 1.0 % RN55D-F10	1	R65
51	51		1302323-00	360.0 .50 W 5.0 % CC	1	R43
52	52		1300394-00	1.50 K .50 W 5.0 % CC	1	R46
53	53		130343R-00	121.0 K .25 W 1.0 % RN55D-F10	1	R47
54	54		1300316-00	470.0 .25 W 5.0 % CC	6	R49,R64,R83,R99,R104,R129
55	55		1305405-00	24.90 K .25 W 1.0 % RN55D-F10	2	R50,R118
56	56		1304835-00	/REPLACED BY 13-05337-00	1	R51
57	57		1312989-00	17.80 K .25 W 1.0 % RN55D-F10	2	R53,R54
58	58		1313151-00	3.60 K .25 W 5.0 % CC	1	R126
59	59		1302873-00	261.0 .25 W 1.0 % RN55D-F10	1	R55
60	60		1305356-00	8.0 K .25 W .10 % RN55C-B 5	2	R56,R114
61	61		1305129-00	8.0 K .25 W 1.0 % RN55D-F10	1	R57
62	62		1312930-00	5.10 K .25 W 5.0 % CC	5	R48,R66,R67,R90,R127
63	63		1300444-00	3.90 K .25 W 5.0 % CC	5	R60,R68,R69,R91,R94
64	64		1302466-00	100.0 K .25 W 5.0 % CC	1	R61
65	65		1301401-00	750.0 .25 W 5.0 % CC	1	R62
66	66		1304693-00	*** THIS ITEM IS NOT USED ***	-	
67	67		1302391-00	20.0 K .25 W 5.0 % CC	2	R77,R74
68	68		1312452-00	3.74 K .25 W 1.0 % RN55D-F10	1	R70
69	69		1313344-00	75.0 K .25 W 1.0 % RN55D-F10	1	R88
70	70		1311320-00	90.90 K .25 W 1.0 % RN55D-F10	1	R72
71	71		130472R-00	4.0 K .25 W .10 % RN55E-B 2	2	R73,R113
72	72		1300439-00	1.30 K .25 W 5.0 % CC	3	R75,R105,R115
73	73		1312932-00	36.0 K .25 W 5.0 % CC	1	R76
74	74		1301459-00	47.50 .75 W 1.0 % RN65D-F10	1	R78
75	75		1300195-00	33.0 .50 W 5.0 % CC	1	R79

I	D	I	G	I	T	A	L	TITLE	LOGIC INVERTER CONTROL BD	SECTION A	OF A	SIZE	CODE	DOCUMENT NUMBER	REV		
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TW

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
					00	
76	76		1305322-00	7.50 K .25 W 1.0 % RN55D-F10	7	R80,R81,R107,R108,R87,R102,R71
77	77		1302388-00	2.0 K .25 W 5.0 % CC	2	R59,R84
78	78		1305421-00	35.70 K .25 W 1.0 % RN55D-F10	1	R89
79	79		1305325-00	0.25 K .25 W 1.0 % RN55D-F10	1	R92
80	80		1305127-00	4.0 K .25 W 1.0 % RN55D-F10	2	R93,R124
81	81		1305432-00	5.11 K .25 W .10% RN55E-B 2	2	R95,R117
82	82		1314041-00	3.01 K .25 W 1.0 % RN55D-F10	1	R96
83	83		1300292-00	300.0 1.0 W 5.0 % CC	1	R97
84	84		1304865-00	1.0 K .25 W .10% RN55E-B 2	4	R109-R112
85	85		1300250-00	150.0 .25 W 5.0 % CC	1	R119
86	86		1303313-00	12.10 K .25 W 1.0 % RN55D-F10	1	R120
87	87		1312565-00	13.30 K .25 W 1.0 % RN55D-F10	1	R121
88	88		1300202-00	*** THIS ITEM IS NOT USED ***	-	
89	89		4810004-48	*** THIS ITEM IS NOT USED ***	-	
90	90		1302381-00	200.0 .50 W 5.0 % CC	1	R131
91	91		1300257-00	150.0 2.0 W 5.0 % CC	1	R132
92	92		1301522-00	27.0 .25 W 5.0 % CC	1	R134
93	93		1301972-00	270.0 .25 W 5.0 % CC	1	R135
94	94		1510705-00	XA 05 NPN 500MW SI 60 50 P	5	Q1-Q4,Q12
95	95		1514271-01	D 44Q5 NPN 31W SI225 30	4	Q5-Q8
96	96		1510706-00	XA 55 PNP 500MW SI 60 50 P	5	Q9,Q10,Q14,Q16,Q20
97	97		1510959-00	2N 3725 NPN 3.5WC SI 50 60 P	1	Q11
98	98		1513490-00	2N 4403 PNP 350MW SI-40 30	2	Q13,Q19
99	99		1516121-00	MPS A92 PNP 625MW SI300 25	1	Q15
100	100		1513489-00	2N 4401 NPN 350MW SI 40 20	4	Q17,Q18,Q21,Q22
101	101		1505867-00	2N 4441 SCP0 50V & 8A	2	D10,D13
102	102		1616213-00	450.0 UH 4 A	2	L1,L2
103	103		1912108-00	339 VOLT CMPRTR,QUAD	2	E1,E4
104	104		1912107-00	324 OP AMP,QUAD	1	E2
105	105		1914250-00	3524 MODULATOR-REGULATING	1	E3
106	106		7422047-01	HEAT SINK DOUBLE	2	
107	107		1301424-00	600.0 .25 W 5.0 % CC	1	R58
108	108		9006039-01	SCREW,PAN,PHIL 8-32X 1/2 SS	2	
109	109		9006660-00	WASHER, FLAT, .375 O.D. X .187 I	4	
110	110		9006690-00	WASHER, LOCK, S.S. #8	2	
111	111		1303177-00	2.40 K .25 W 5.0 % CC	1	R116
112	112		9006011-01	SCREW,PAN,PHIL 4-40X 3/8 SS	4	
113	113		9009769-00	WASHER, RECTANGULAR .405X.225X.0	4	
114	114		9006556-00	NUT,HEX , 4-40X1/4 AF X 3/	4	
115	115		9006688-00	WASHER, LOCK, S.S. #4	4	
116	116		9010120-00	SCREW,TAPPING,TYPE PAN ,PHIL,	4	
117	117		9007201-00	TRANSIPADS #10253	1	C23
118	118		9008260-00	COMPOUND, THERMAL JOINT	A/R	
119	119		1314516-00	200.0 K .25 W 5.0 % CC	1	R123
120	120		1313592-00	4.87 K .25 W 1.0 % RN55D-F10	1	R125
121	121		9105740-55	WIRE(WRAP)30AWG UL1423	A/R	
122	122		1000009-00	*** THIS ITEM IS NOT USED ***	-	
123	123		4810004-34	*** THIS ITEM IS NOT USED ***	-	

D	I	G	I	T	A	L	TITLE	LOGIC INVERTER CONTROL BD	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	5413601-0-DBP	n

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AUTOMATED BY PRTLST,1G(17)

P A R T S L I S T

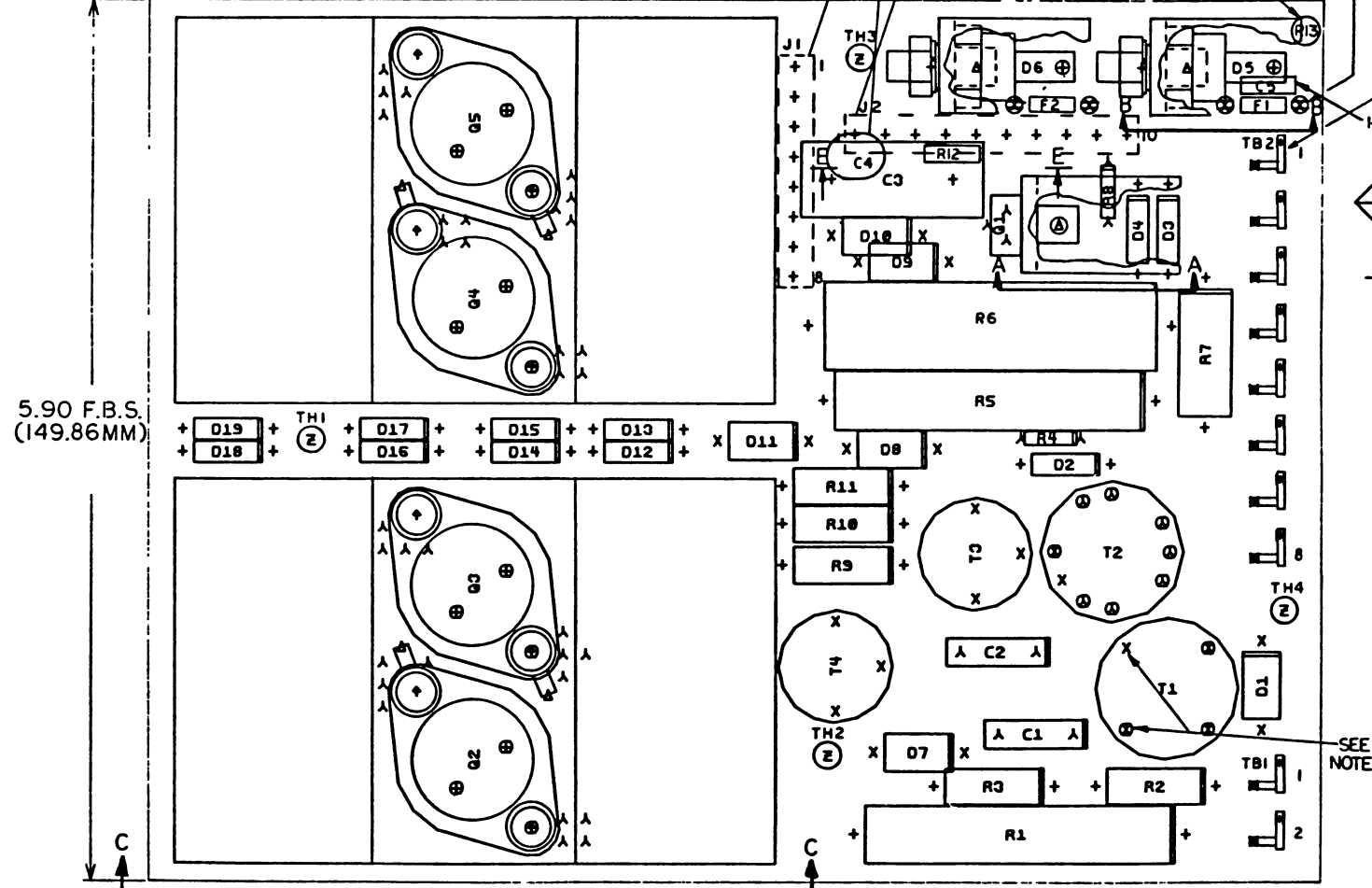
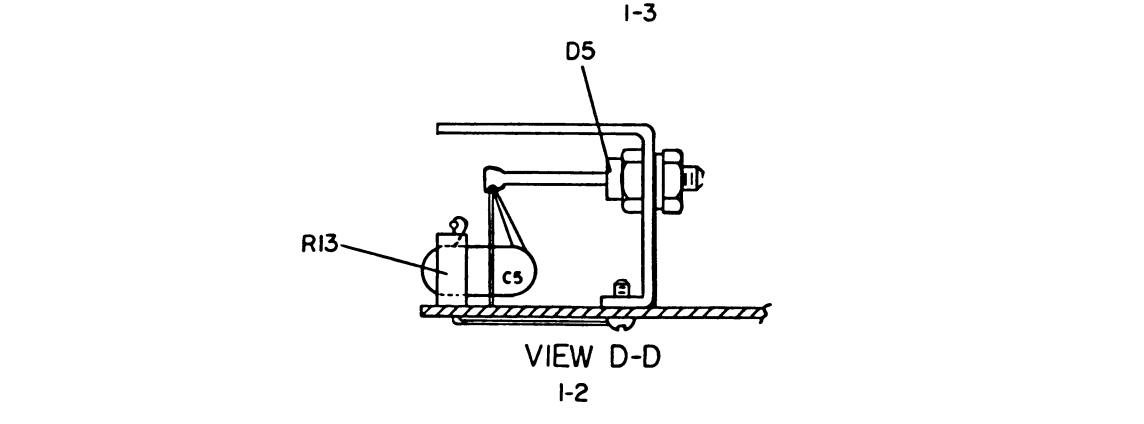
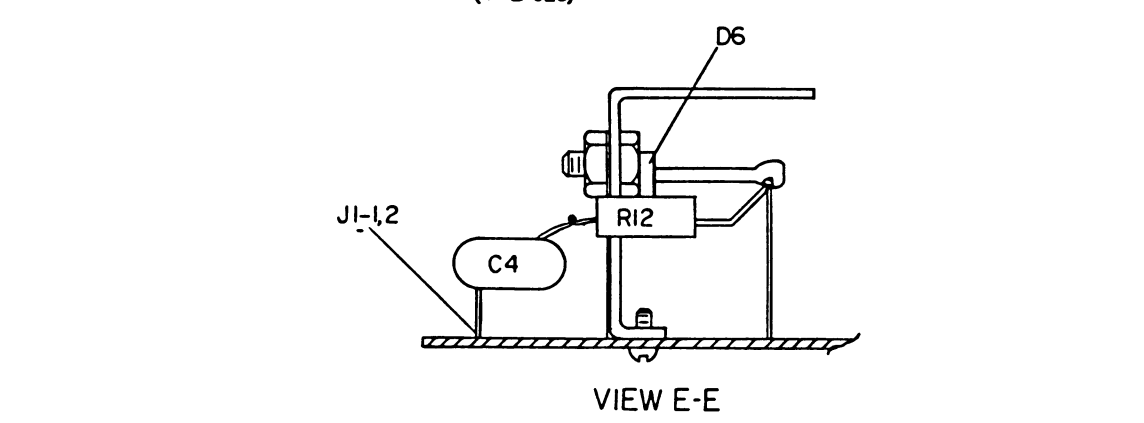
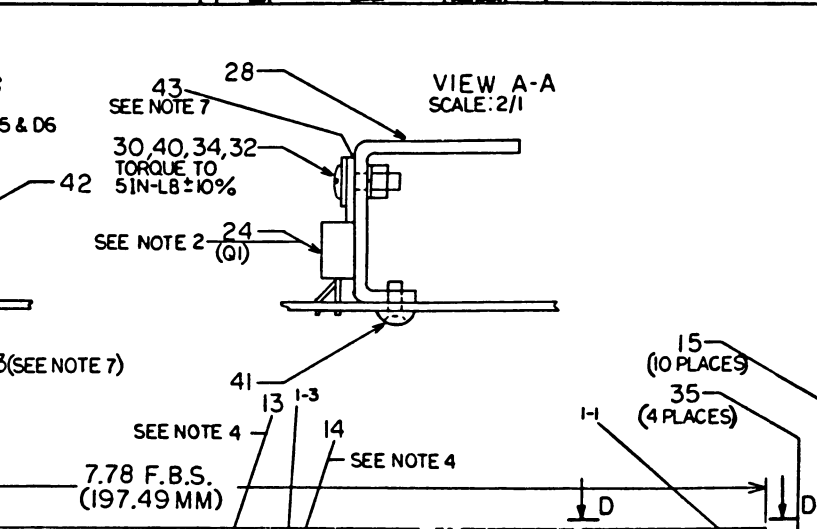
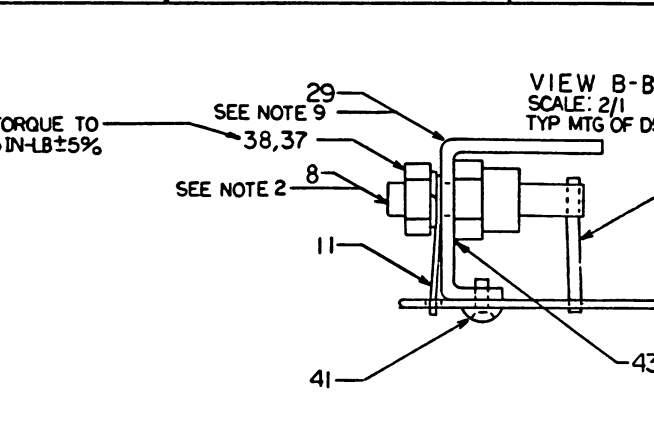
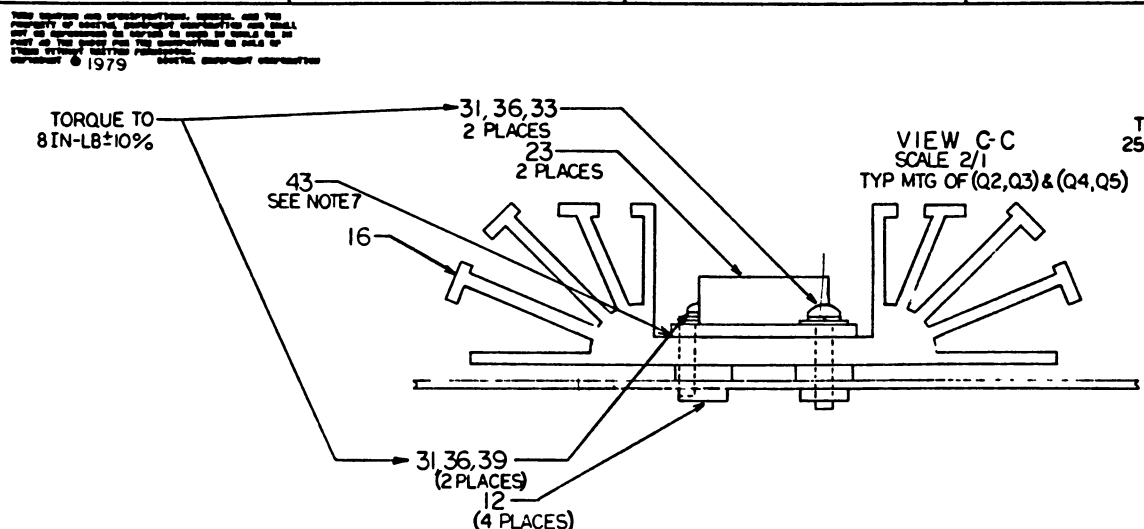
SHEET A4 OF A4

LINE	ITFM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
124	124		1313794-00	787.0 .25 W 1.0 % RNS5D-F10	1	R106

125 NOTE: ITEM #121; .52" IS USED.

D	I	G	I	T	A	L	TITLE	LOGIC INVERTER CONTROL BD	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	5413601-0-DBP	D

TW



- NOTES:
- FOR STEP AND REPEAT DIM'S SEE 2 ML 39
 - Q1, Q5 & D6 MUST BE MOUNTED TO HEATSINKS BEFORE BEING ATTACHED TO P.C.B.
 - FOR ASSM OF ITEM 23 SEE VIEW C
 - J1 AND J2 TO BE MOUNTED ON SIDE 2
 - RAISE R15 AND R6, J25 TO .150" OFF P.C.B.
 - RAISE D1, 7, 8-11 AND R3, 7, 9-11 .05 TO .100"

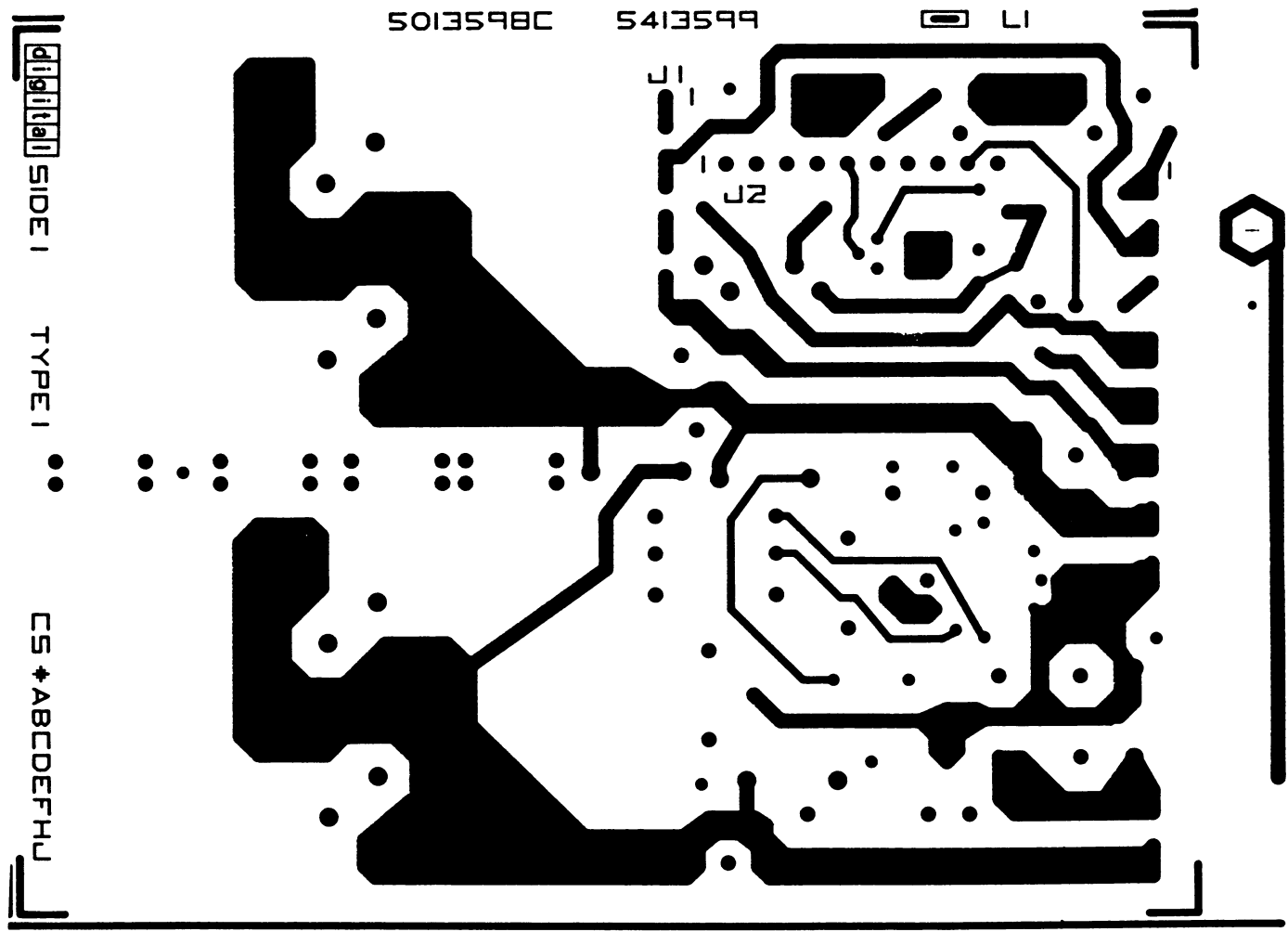
CHG	NO	REV	DATE	BY	CHK'D
1	1	1	2-9-79	RICHARD	

- NOTES:
- USE THERMAL COMPOUND ITEM 43 BETWEEN Q2, Q3, Q4, Q5 - Q1, D5, D6 AND HEAT SINK.
 - LARGER DIAMETER LEADS IN THESE TWO POSITIONS.
 - TOP FIN OF ITEM 29 (HEATSINK) MUST BE INSTALLED PARALLEL TO EDGE OF BOARD

ETCH REV.	C
P.C. DESIGN DATA BRD REV.	CL

SIGNATURES	DATE	TITLE
DRAWN: <i>Don Felt</i>	2-9-79	digital
CHK'D: <i>Frank Knapke</i>	2-27-79	
ENG: <i>W. H. H. H.</i>	6-26-79	
PROJ. ENG: <i>W. H. H. H.</i>	6-26-79	
PROD. <i>W. H. H. H.</i>	7-15-79	
SCALE 2/1	SHT. 1 OF 4	SIZE CODE NUMBER REV
		D UA 54-13599-0-0 C
		NEXT HIGHER ASSY. B-00-54-13599-0

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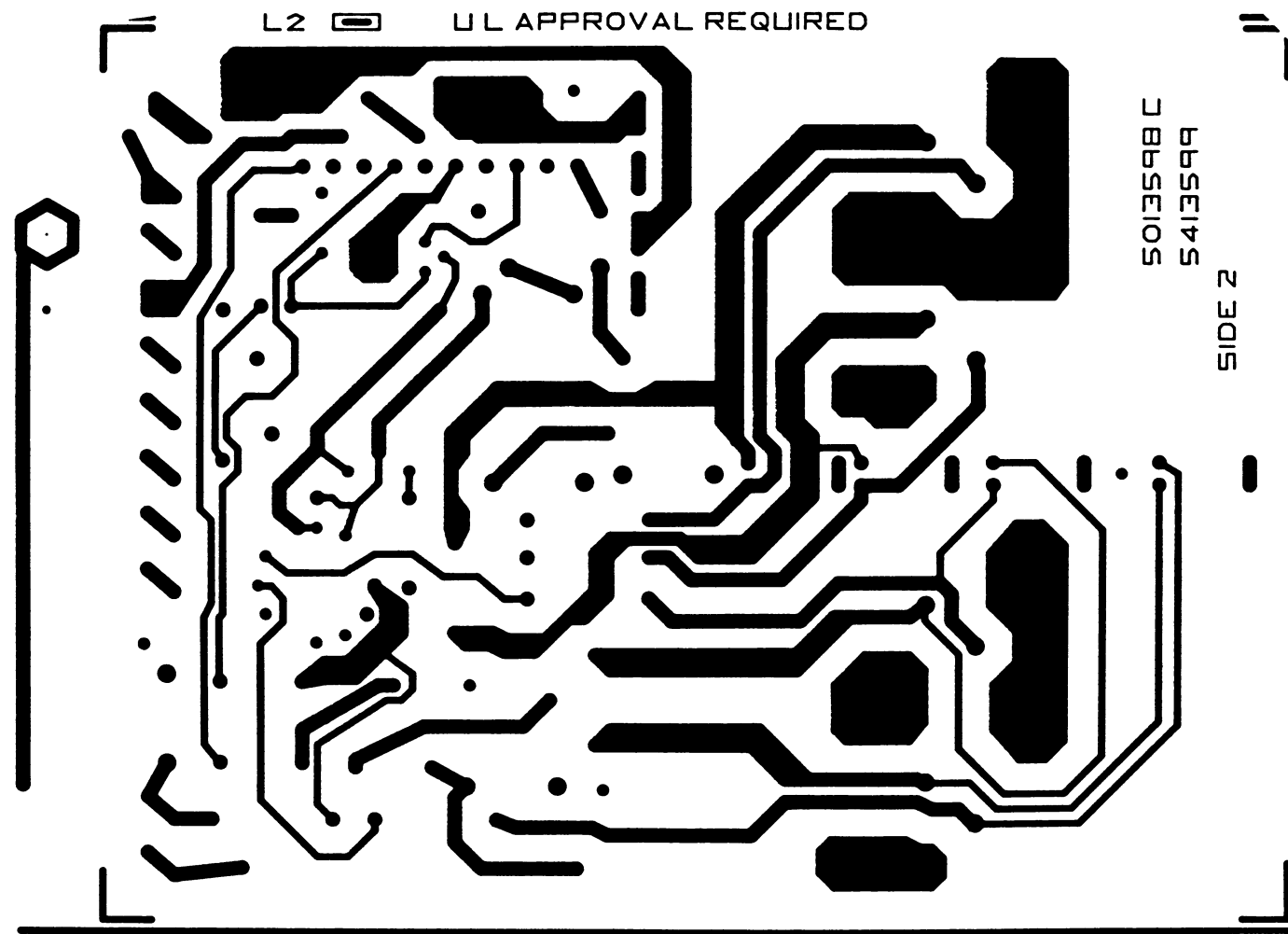
REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE CODE	NUMBER	REV.
LOGIC INVERTER BOARD		D UA	5413599-0-0	C
SCALE	SHEET	OF	DIST.	
C/1	2	4		

TW

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1 2 3 4 5 6 7 8
DUA 5413599-0-0 C



DUA 5413599-0-0 C

REVISIONS		
REV	CHANGE NO	REV

TITLE		SIZE CODE	NUMBER	REV.
LOGIC INVERTER BOARD		DUA	5413599-0-0	C
SCALE 2/1	SHEET 3 OF 4	DIST		

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C

DUA 54-13599-0-0

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REWORK INSTRUCTION (ECO 1)

COMPONENT ADDS: SIDE 1

- 1-1 INSTALL R13 BY DRILLING ONE .055" HOLE AS SHOWN. (HOLE IS UNDERNEATH R13)
- 1-2 C5 AND R13 ARE CONNECTED BY TWISTING ONE LEAD OF R13 WITH ONE LEAD OF C5 AND SOLDERING. THE OTHER LEAD OF R13 IS TACK SOLDERED TO THE ETCH ON SIDE 2 LEADING TO THE CATHODE OF D5. THE OTHER LEAD OF C5 IS CONNECTED TO THE ANODE OF D5. (SEE VIEW D-D)
- 1-3 R12 AND C4 ARE CONNECTED BY TWISTING ONE LEAD OF R12 WITH ONE LEAD OF C4 AND SOLDERING. THE OTHER LEAD OF R12 IS CONNECTED TO THE ANODE OF D6. THE OTHER LEAD OF C4 IS TACK SOLDERED TO J1-1 AND 2. (SEE VIEW E-E)

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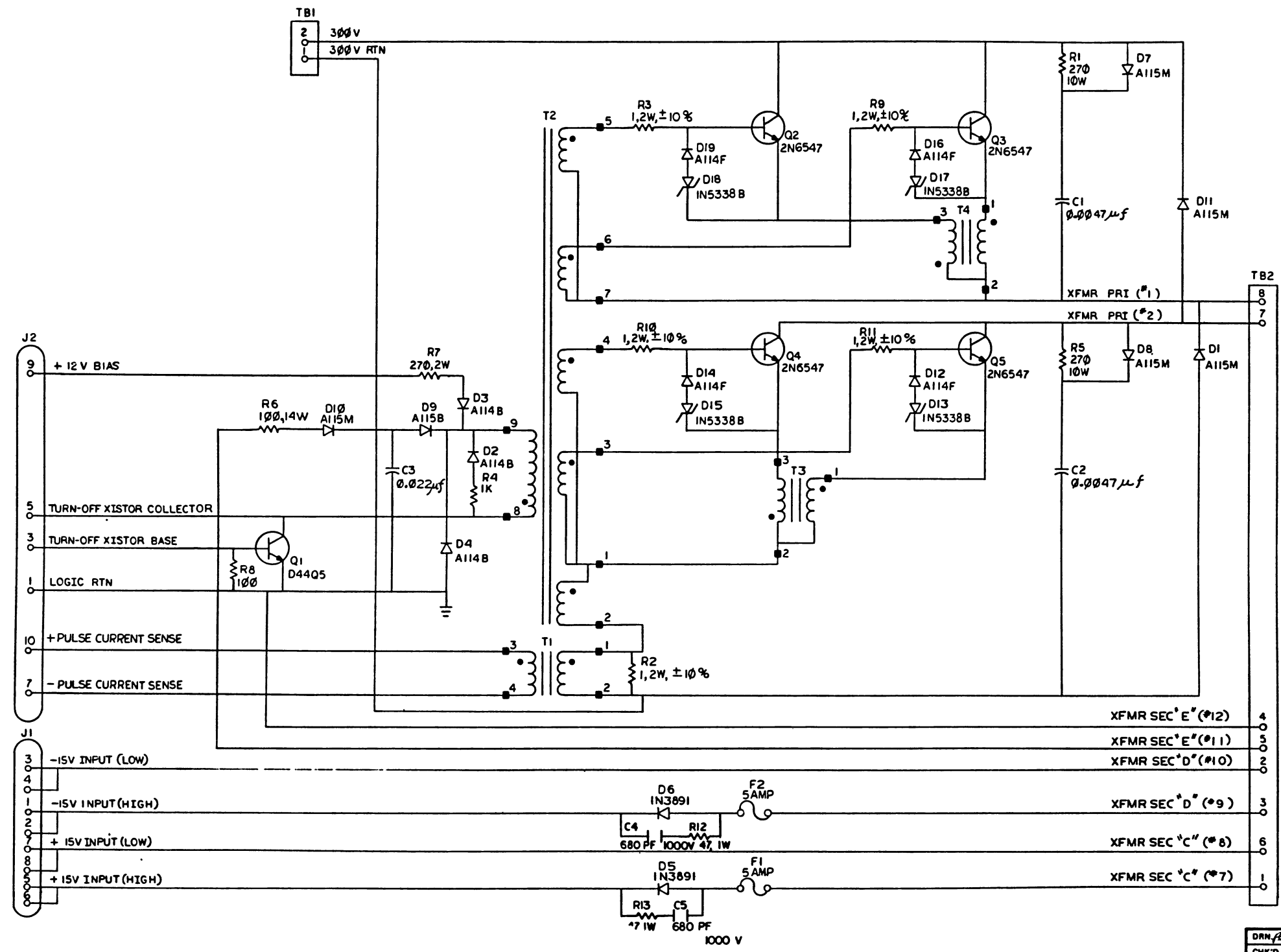
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REV.	DATE	BY	CHK'D	APP'D
1	10-31-78	R. WOLF		
2	11-15-78	R. HEATON		
3	12-15-78	R. HEATON		
4	1-15-79	R. HEATON		
5	2-15-79	R. HEATON		
6	3-15-79	R. HEATON		
7	4-15-79	R. HEATON		
8	5-15-79	R. HEATON		

DRN. R. WOLF	10-31-78	FIRST USED ON	Digital
CHK'D. R. WOLF	11-15-78	TITLE	LOGIC INVERTER BOARD
ENG. R. WOLF	11-15-78	SIZE	D
PROJ. ENG. R. WOLF	11-15-78	CODE	CS 5413599-0-1
PROD. R. WOLF	11-15-78	NUMBER	D
NEXT HIGHER ASSY.		REV.	D
SCALE		SHEET	1 OF 1
		DIST.	

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
1	1	D-MD-5013598-0-0	5013598-00	DRILL & ETCH BD	1	
2	2		1011847-03	.0047 MFD 600V 10% POLYPROP	2	C1,C2
3	3		1017913-00	.022 MFD 400V 20% M.POLYPROP	1	C3
4	4		1112594-01	A115B PIV=200 I= 3A	1	D9
5	5		1112594-02	A115M PIV=600 I= 3A	5	D1,D7,D8,D11,D10
6	6		1112595-00	A114F PIV= 50 I= 1A	4	D12,D14,D16,D19
7	7		1112595-01	A114B PIV=200 I= 1A	3	D2-D4
8	8		1110491-20	IN 3891 PIV=200 T=12A D04 SI	2	D5,D6
9	9		1114435-00	1N 5338B VZ= 5.1 5% 5W	4	D13,D15,D17,D18
10	10		1205747-00	FUSE, SUB-MINI, 5.000A, 125V, A	2	F1,F2
11	11		1216937-00	TERMINAL,SOLDER	2	
12	12		1214789-00	INSERT,THREADED 6-32 ,BRASS,ELEC	8	
13	13		1216108-00	HEADER.200 8POS STRAIGHT	1	J1
14	14		1216108-01	HEADER.200 10POS STRAIGHT	1	J2
15	15		1216269-00	TERM SPADE 1POS SOLDER STRIP	10	
16	16		1216316-00	HEAT SINK,ALUM,YELLOW CHROM. FIN	2	
17	17		1300229-00	100.0 .25 W 5.0 % CC	1	R8
18	18		1300365-00	1.0 K .25 W 5.0 % CC	1	R4
19	19		1305380-00	270.0 2.0 W 5.0 % CC	1	R7
20	20		1314350-00	1.0 2.0 W10.0 % FUSE	5	R2,R3,R9-R11
21	21		1314172-01	100.0 14.0 W 5.0 % WW	1	R6
22	22		1314544-00	270.0 10.0 W 5.0 % WW	2	R1,R5
23	23		1514195-00	2N 6547 NPN 400V SI 15A	4	Q2-Q5
24	24		1514271-01	D 44Q5 NPN 31W SI225 30	1	Q1
25	25		1614202-00	XFMR,CURRENT	1	T1
26	26		1614203-00	CHOKE,BALUN-COMMON MODE	2	T3,T4
27	27		1614204-00	PULSE XFMR 20312 BASE DRIVE	1	T2
28	28		7422046-00	HEAT SINK,SINGLE	1	
29	29		7422046-01	HEAT SINK	2	
30	30		9006011-01	SCREW,PAN,PHIL 4-40X 3/8 SS	1	

REVISION HISTORY			BASIC PART NO: 5413599			DRN: K.FRIEDGEN			DATE: 20-JUL-79			D I G I T A L		
ENG	ECO NUMBER	REV	SECTION A OF A			CHK'D: F.GERRY			DATE: 20-JUL-79			TITLE PARTS LIST		
---	INITIAL	B	SECTION.VARIATION INDEX			DES.ENG: J.A.HERRMANN			DATE: 20-JUL-79			LOGIC INVERTER BD		
RR	5413599-TW001	C	[A] 00											
RH	5413599-TW002	D	[B]											
RH	5413599-TW002	D	[C]											
			[D]											
			[E]											
			[F]			RESP.ENG.: J.A.HERRMANN			DATE: 20-JUL-79			DOCUMENT NUMBER		
			[H]											
			[J]									SIZE!CODE! NUMBER		
			[K]			MFG.ENG.: F.MUNIZ			DATE: 20-JUL-79			K ! PL ! 5413599-0-DBP		
			[L]											
			[M]			ASSEMBLY NUMBER:			TOP DOCUMENT NUMBER:			FILE NAME:		
			[N]			D-UA-5413559-0-0						Z0399.PLS		
												EDIT #		
												18		

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TW

LINE ITEM		DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
31	31		9006025-01	SCREW,PAN,PHIL 6-32X 5/8 SS	8	
32	32		9006556-00	NUT,HEX , 4-40X1/4 AF X 3/	1	
33	33		9006656-00	WASHER, FLAT, .312 O.D. X .156 I	4	
34	34		9006688-00	WASHER, LOCK, S.S. #4	1	
35	35		9006735-00	EYELET, FUNNEL FLANGE, .059 OD X	4	
36	36		9007801-00	WASHER, LOCK, S.S. #6	8	
37	37		9007906-00	WASHER, LOCK S.S. #10	2	
38	38		9009005-00	NUT,HEX , 10-32 X1/4 AF X 3	2	
39	39		9009676-00	TERM LUG 1POS SOLDER	4	
40	40		9009769-00	WASHER, RECTANGULAR .405X.225X.0	1	
41	41		9010128-00	SCREW,TAPPING,TYPE PAN ,PHIL,	3	
42	42		9107560-03	WIRE,BUSS,18AWG	A/R	
43	43		9008268-00	COMPOUND, THERMAL JOINT	A/R	
44	44		1013280-00	680.0 MMF 1000V 5%200PPM MICA	2	C4,C5
45	45		1302199-00	47.0 1.0 W 5.0 % CC	2	R12,R13

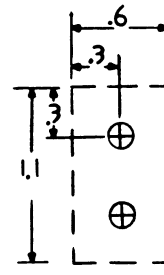
46 NOTE: ITEM #42; .19' IS USED.

D I G I T A L							TITLE		SECTION A OF A		SIZE	CODE	DOCUMENT NUMBER	REV
							LOGIC INVERTER BD				K	FL	5413599-0-DBF	D

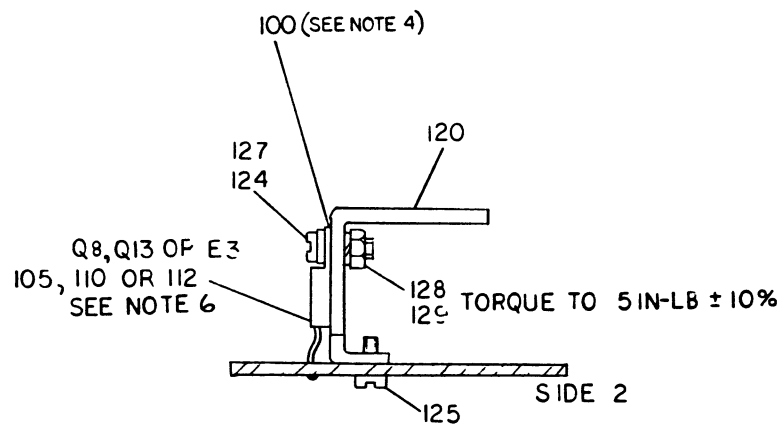
TW

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1979



DETAIL A
SEE NOTE 7



SECTION A-A
SCALE: 2/1
TYPICAL 3 PLACES

- NOTES:
1. R4/R37 MUST BE PAISED .125" TO .150".
 2. D3 MUST BE PAISED .05" TO .10".
 3. USE TRANSIPADS (ITEM 99) UNDER Q7, Q9, Q11, Q14.
 4. USE THERMAL CONDUCTIVE (ITEM 100) BETWEEN E3, Q5, Q8, Q13, D4, D6 / HEAT SINK.

STEP 6	↑ Y AXIS	5.025	STEP 1	TIMES
REPEAT	→ X AXIS	7.900	STEP 1	TIMES

CHANGE NO	REV	DATE	BY	CHK	APP
5413607-0-0	1	12-22-79	R.WOLF		

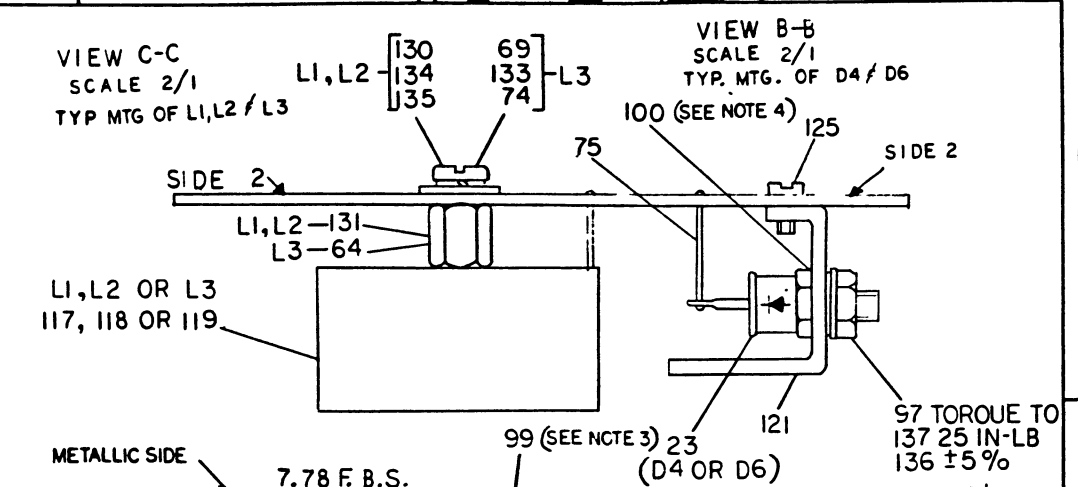
5. TORQUE TO 8 IN LB ± 10%
6. Q8, Q13, E3, D4, D6 MUST BE MOUNTED TO HEAT SINKS BEFORE BEING ATTACHED TO P.C.B.
7. MASK THIS AREA ON SIDE 2 ONLY, KEEP FREE OF SOLDER.

ETCH REV.	D-PI
-----------	------

SIGNATURES	DATE
DRM. P. RICHARD TELLIER	12-22-79
CHK'D. Mark	2-5-80
MECH. ENG. R. WOLF	12-5-80
PROJ. ENG. R. WOLF	12-5-80
PROD. R. WOLF	12-7-80
SCALE 2/1	SHT. 1 OF 2
NEXT HIGHER REV. B-D-5413607-0	

TITLE	SIZE	CODE	NUMBER	REV
MEMORY REGULATOR	D	UA	5413607-0-0	E

TW 1 MS#171921D-PI



SEE DETAIL (A)

FOR -00 DIODE IS USED
FOR -YA JUMPER IS USED

5.90 F.B.S.
(149.86 MM)

7.78 F.B.S.
(197.49 MM)

(QTY 2 EACH)

8

3 0-0-709607-0-0 DUA

6

5

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3

2

1

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D

REWORK INSTRUCTION

WIRE ADD SIDE 1
0-1 FROM R18 (WRAP WIRE AROUND COMPONENT LEAD) TO Q3 CATHODE (GND) (USE ITEM 144)

C

B

A

D

C

B

A

E

DUA 5413607-0-0

REVISION HISTORY		
DATE	ECO NUMBER	REV.

END 122A

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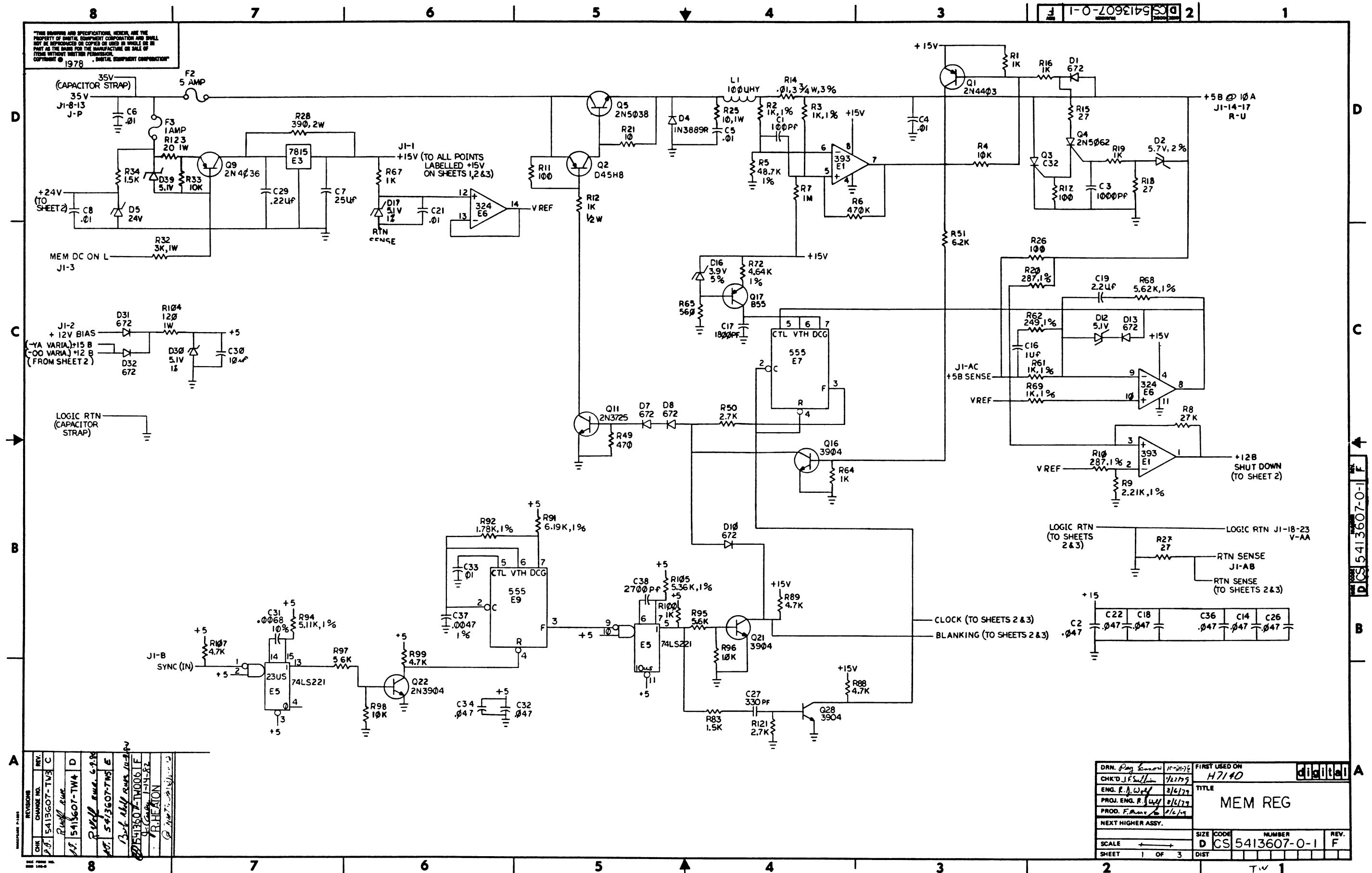
1

TITLE
MEMORY REGULATOR

SIZE CODE		DOCUMENT NUMBER		REV.
SIZE	CODE	NUMBER		
D	UA	5413607-0-0		E

SCALE $\frac{1}{16}$ SHEET 2 OF 2

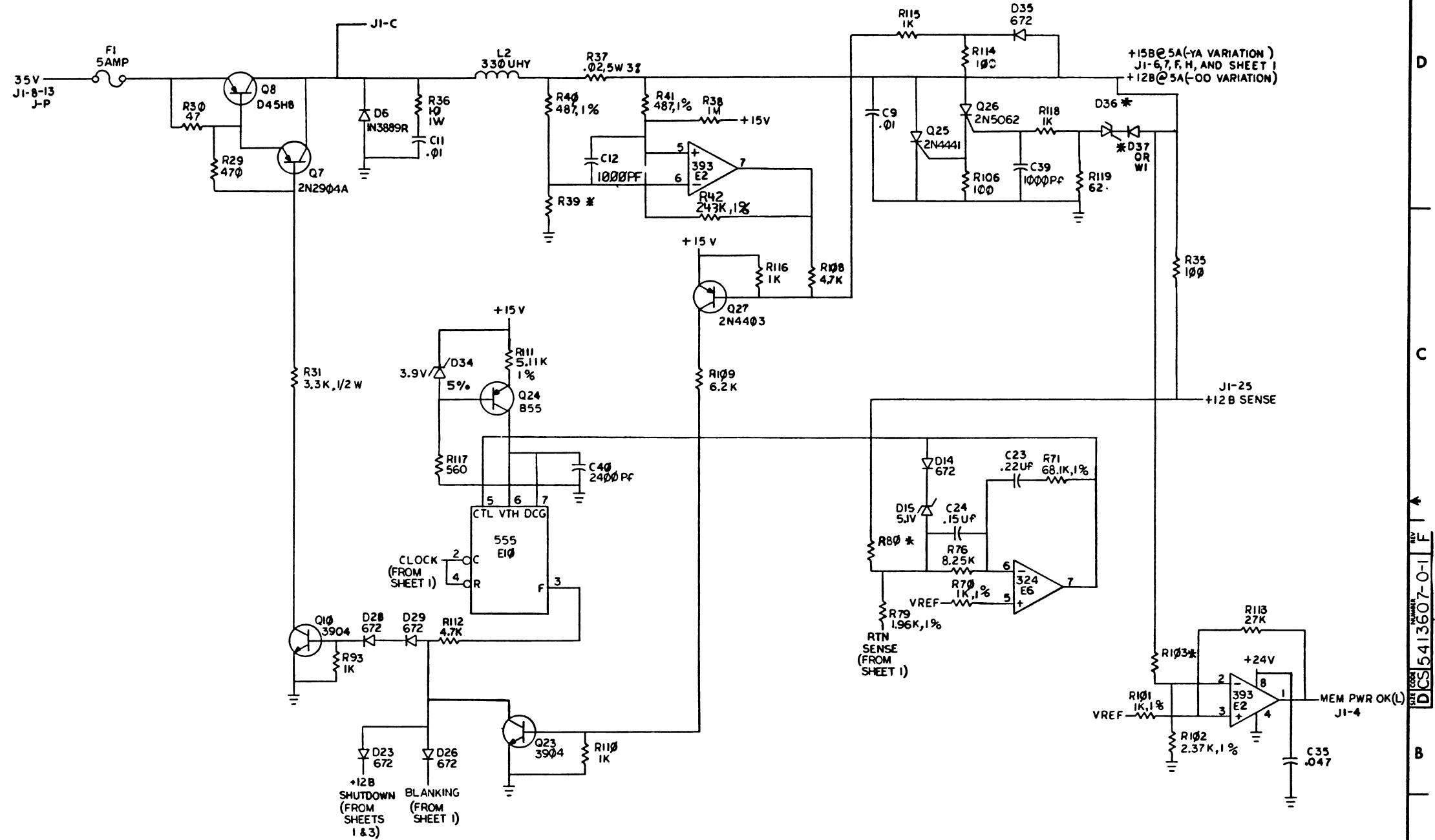
7W



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*

COMPONENT DESIGNATOR	- 00 VARIATION	- YA VARIATION
D36	13V, 1%	18V, 5%
R39	422K, 1%	523K, 1%
R80	2.67K, 1%	3.83K, 1%
R103	2.67K, 1%	3.83K, 1%
D37	672	
W1		JUMPER



REVISIONS		
CHK	CHANGE NO	REV.

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COMPONENT DESIGNATOR	-00 VARIATION	-YA VARIATION
D18	13V, 1%	18V, 5%
W2	—	JUMPER
R47	3.48K, 1%	2.8K, 1%
R73	5.62K, 1%	5.36K, 1%
R120	1.47K, 1%	3.48K, 1%
D38	672	—

LOGIC RTN
(FROM SHEET 1)

BLANKING
(FROM SHEET 1)

+12B
SHUTDOWN
(TO SHEET 2)

REVISIONS		
CHK	CHANGE NO	REV.

TITLE MEM REG		SIZE CODE DCS	NUMBER 5413607-0-1	REV. F
SCALE ←→	SHEET 3	OF 3	DIST.	TW 1

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION		REFERENCE DESIGNATOR
					00	YA	
1	1	D-MD-5013606-0-0	5013606-00	DRILL & ETCH BD	1	1	
2	2		1004813-00	10 MFD 20V 10% S.TANT	1	1	C30
3	3		1000042-00	1000.0 MMF 100V 5%200PPM MICA	2	2	C3,C39
4	4		1000052-00	.068 MFD 100V 10% MYLR	1	1	C25
5	5		1000060-00	6800.0 MMF 200V 10% MYLR	1	1	C31
6	6		1000075-00	25 MFD 25V +75-10% AL EL	1	1	C7
7	7		1001610-01	.01 MFD50/100V +80-20% DISC	10	10	C4-C6,C8-C11,C21,C33,C15
8	8		1001776-00	1 MFD 35V 10% S.TANT	1	1	C16
9	9		1001636-00	2400.0 MMF 100V 5%200PPM MICA	2	2	C28,C40
10	10		1014170-00	2700.0 MMF 100V 1% 70PPM MICA	1	1	C38
11	11		1002627-00	2.2MFD 20V 10% S.TANT	1	1	C19
12	12		1005328-00	.33 MFD 10V 10% S.TANT	1	1	C20
13	13		1009312-00	.0047 MFD 100V 1% MYLR	1	1	C37
14	14		1010274-01	.22 MFD 50V +80-20% Z5U CER	1	1	C29
15	15		1011740-02	1800.0 MMF 50V 10% CER	1	1	C17
16	16		1011895-00	.15 MFD 35V 10% S.TANT	1	1	C24
17	17		1012784-00	.047 MFD 50V +80-20% CER	9	9	C2,C14,C18,C22,C26,C32,C34-C36
18	18		1100122-00	1N 748A VZ= 3.9 5%	3	3	D16,D22,D34
19	19		1105275-00	D 672 TR= 15NS PIV= 60V SI	19	-	D1,D7,D8,D10,D11,D13,D14,D20, CONT D23-D26,D28,D29,D31,D32,D35,D37, CONT D38 CONT D1,D7,D8,D10,D11,D13,D14,D20, CONT D23-D26,D28,D29,D31,D32,D35
20	20		1100125-00	1N 758A VZ= 10.0 5% .40W PPE	1	1	D19
21	21		1105871-00	1/4M5.1AZ1 = 5.1 1% .25W N	3	3	D17,D30,D39
22	22		1109988-00	1N 964B VZ= 13.0 5% .40W	2	-	D18,D36
23	23		1110491-01	1N 3889R PIV=50 I=12A D04	2	2	D4,D6
24	24		1110713-00	SZ710910 VZ= 5.1 2% M	2	2	D12,D15
25	25		1110856-00	1N 970B VZ= 24.0 5% .40W Y	1	1	D5
26	26		1111205-00	SCREENED VZ= 5.7 2% .40W	1	1	D2

REVISION HISTORY			BASIC PART NO: 5413607			DRN: J.FERGUSON			DATE: 06-AUG-80			D I G I T A L			
ENG	ECO NUMBER	REV	SECTION A OF A			CHK'D: J.FERGUSON			DATE: 06-AUG-80			TITLE PARTS LIST			
---	TW005	H	SECTION VARIATION INDEX			CHK'D: J.FERGUSON			DATE: 06-AUG-80			MEMORY REG			
			[A] 00,YA												
			[B]												
			[C]			DES.ENG: B.WOLF			DATE: 06-AUG-80						
			[D]												
			[E]												
			[F]			RESP.ENG.: B.WOLF			DATE: 06-AUG-80			DOCUMENT NUMBER			
			[H]									SIZE CODE NUMBER REV			
			[J]												
			[K]			MFG.ENG.: P.WAITKUS			DATE: 06-AUG-80			K	PL	5413607-0-DBP	H
			[L]												
			[M]			ASSEMBLY NUMBER:			TOP DOCUMENT NUMBER:			FILE NAME:			EDIT #
			[N]			D-UA-5413607-0-0			B-DD-5413607-0-0			Z0403H.PLS			38
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TW

LINE ITEM		DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION		REFERENCE DESIGNATOR
					00	YA	
27	27		1114602-00	UES1302 PIV=100V I= 4A	1	1	D3
28	28		1110968-00	2N 5062 SCR@100V I=.8A T092	3	3	Q4,Q12,Q26
29	29		1010978-40	.22 MFD 50V 10% CER	2	2	C23,C42
30	30		1210929-02	FUSE, SUB-MINI 1.000A, 125V, A	1	1	F3
31	31		1205747-00	FUSE, SUB-MINI, 5.000A, 125V, A	2	2	F1,F2
32	32		1216112-03	HEADER,100 50POS RT ANGLE	1	1	J1
33	33		1305127-00	4.0 K .25 W 1.0 % RN55D-F10	2	2	R77,R85
34	34		1304856-00	4.64 K .25 W 1.0 % RN55D-F10	1	1	R72
35	35		1304854-00	5.11 K .25 W 1.0 % RN55D-F10	2	2	R94,R111
36	36		1300391-00	1.50 K .25 W 5.0 % CC	2	2	R34,R83
37	37		1300316-00	470.0 .25 W 5.0 % CC	3	3	R29,R49,R66
38	38		1300447-00	4.70 K .25 W 5.0 % CC	6	6	R99,R107,R112,R88,R89,R108
39	39		1300229-00	100.0 .25 W 5.0 % CC	9	9	R11,R17,R24,R26,R35,R53,R54, CONT R106,R114
40	40		1301317-00	10.0 .25 W 5.0 % CC	1	1	R21
41	41		1300364-00	1.0 K .50 W 5.0 % CC	1	1	R12
42	42		1300171-00	10.0 1.0 W 5.0 % CC	2	2	R25,R36
43	43		1313014-00	.01 3.75 W 3.0 % WW	1	1	R14
44	44		1301864-00	390.0 2.0 W 5.0 % CC	1	1	R28
45	45		1300479-00	10.0 K .25 W 5.0 % CC	5	5	R4,R33,R55,R96,R98
46	46		1309595-00	1.0 M .25 W 5.0 % CC	2	2	R7,R38
47	47		1303114-00	1.0 K .25 W 1.0 % RN55D-F10	6	6	R2,R3,R61,R69,R70,R101
48	48		1313842-00	48.70 K .25 W 1.0 % RN55D-F10	1	-	R5
			CONT		-	2	R5,R39
49	49		1300365-00	1.0 K .25 W 5.0 % CC	16	16	R1,R16,R19,R56-R58,R64,R67,R82, CONT R87,R93,R100,R110,R115,R116,R118
50	50		1301523-00	27.0 .25 W 5.0 % CC	3	3	R15,R18,R27
51	51		1305114-00	3.48 K .25 W 1.0 % RN55D-F10	1	-	R47
			CONT		-	1	R120
52	52		1301890-00	560.0 .25 W 5.0 % CC	3	3	R65,R90,R117
53	53		1300426-00	2.70 K .25 W 5.0 % CC	2	2	R50,R121
54	54		1211751-00	FUSE, SUB-MINI, 2.000A, 125V, A	1	1	F4
55	55		1305128-00	5.62 K .25 W 1.0 % RN55D-F10	2	-	R68,R73
			CONT		-	1	R68
56	56		1303044-00	100.0 K .25 W 1.0 % RN55D-F10	1	1	R45
57	57		1309787-00	249.0 .25 W 1.0 % RN55E-F 2	1	1	R62
58	58		1310876-03	.05 5.0 W 3.0 % WW	1	1	R22
59	59		1305124-00	287.0 .25 W 1.0 % RN55D-F10	2	2	R10,R20
60	60		1310631-00	2.21 K .25 W 1.0 % RN55D-F10	1	1	R9
61	61		1313341-00	5.36 K .25 W 1.0 % RN55D-F10	1	-	R105
			CONT		-	2	R105,R73
62	62		1302612-00	1.78 K .25 W 1.0 % RN55D-F10	1	1	R92
63	63		1300202-00	47.0 .25 W 5.0 % CC	2	2	R23,R30
64	64		9006801-00	SPACER, HEX, ALUM, .138 ID X .3	1	1	
65	65		1311845-00	487.0 .25 W 1.0 % RN55D-F10	4	4	R13,R40,R41,R52
66	66		1305265-00	39.20 K .25 W 1.0 % RN55D-F10	1	-	R39
67	67		1310876-00	.02 5.0 W 3.0 % WW	1	1	R37
68	68		1312984-00	187.0 K .25 W 1.0 % RN55D-F10	1	1	R42

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							MEMORY REG		K	PL	5413607-0-DRP	H

TW

LINE ITEM		DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION		REFERENCE DESIGNATOR
					00	YA	
69	69		9006026-01	SCREW,PAN,PHIL 6-32X 3/4 SS	1	1	
70	70		1300440-00	3.30 K .50 W 5.0 % CC	1	1	R31
71	71		1312929-00	62.0 .25 W 5.0 % CC	2	2	R59,R119
72	72		1305252-00	68.10 K .25 W 1.0 % RN55D-F10	2	2	R71,R122
73	73		1305325-00	8.25 K .25 W 1.0 % RN55D-F10	1	1	R76
74	74		9006653-00	WASHER, FLAT, .375 O.D. X .156 I	1	1	
75	75		9107560-03	WIRE,BUSS,18AWG	A/R	A/R	
76	76		1305346-00	27.0 K .25 W 5.0 % CC	2	2	R8,R113
77	77		1310634-00	2.67 K .25 W 1.0 % RN55D-F10	2	-	R80,R103
78	78		1310632-00	2.37 K .25 W 1.0 % RN55D-F10	1	1	R102
79	79		1301874-00	5.60 K .25 W 5.0 % CC	2	2	R95,R97
80	80		1300444-00	3.90 K .25 W 5.0 % CC	1	1	R78
81	81	BLANK		*** THIS ITEM IS NOT USED ***	-	-	
82	82		1303155-00	21.50 K .25 W 1.0 % RN55D-F10	1	1	R75
83	83		1314041-00	3.01 K .25 W 1.0 % RN55D-F10	1	1	R74
84	84		1312931-00	6.20 K .25 W 5.0 % CC	4	4	R51,R81,R86,R109
85	85		1000016-00	100.0 MMF 100V 5%200PPM MICA	3	3	C1,C12,C13
86	86		1304833-00	1.96 K .25 W 1.0 % RN55D-F10	1	1	R79
87	87		1305322-00	7.50 K .25 W 1.0 % RN55D-F10	1	1	R60
88	88		1312545-00	2.32 K .25 W 1.0 % RN55D-F10	1	1	R46
89	89		1300433-00	3.0 K 1.0 W 5.0 % CC	1	1	R32
90	90		1302398-00	470.0 K .25 W 5.0 % CC	1	1	R6
91	91		1000023-00	330.0 MMF 100V 5%200PPM MICA	1	1	C27
92	92		1302465-00	18.0 K .25 W 5.0 % CC	1	1	R48
93	93		1303047-00	464.0 .25 W 1.0 % RN55D-F10	1	1	R84
94	94		1305422-00	137.0 K .25 W 1.0 % RN55D-F10	2	2	R43,R44
95	95		1301838-00	120.0 1.0 W 5.0 % CC	1	1	R104
96	96		9107370-00	WIRE,STRND,14AWG,IPVC UL1534	A/R	A/R	
97	97		9008150-00	TERM LUG 1POS LOCKING,SOLDER	2	2	
98	98	BLANK		*** THIS ITEM IS NOT USED ***	-	-	
99	99		9007201-00	TRANSIPADS #10253	4	4	
100	100		9008268-00	COMPOUND, THERMAL JOINT	A/R	A/R	
101	101		1510928-00	C32AX135 SCR@100V I=25A	1	1	Q3
102	102		1505867-00	2N 4441 SCR@ 50V & 8A	2	2	Q6,Q25
103	103		1305108-00	1.47 K .25 W 1.0 % RN55D-F10	1	-	R120
104	104		1510969-00	2N 5038 NPN 140WC SI 90 50 Y	1	1	Q5
105	105		1510708-00	D 45H8 PNP 50WT SI 60 60 Y	2	2	Q2,Q8
106	106		1510959-00	2N 3725 NPN 3.5WC SI 50 60 P	1	1	Q11
107	107		1510706-01	B 55 PNP 500MW SI 60 50	3	3	Q17,Q20,Q24
108	108		1513490-00	2N 4403 PNP 350MW SI-40 30	3	3	Q1,Q15,Q27
109	109		1509524-00	2N 3904 NPN 310MW SI 40 40 M	8	8	Q10,Q16,Q18,Q19,Q21,Q22,Q23,Q28
110	110		1512652-00	2N 6490 PNP 50W SI 60 40	1	1	Q13
111	111		1501913-00	2N 2904A PNP 600MW SI 60 40 Y	2	2	Q7,Q14
112	112		1914473-02	7815A VOLT REG,FIX +15V	1	1	E3
113	113		1914156-00	LM 393 VOLT.COMPARATOR DUAL	3	3	E1,E2,E4
114	114		1912107-00	324 OP AMP,QUAD	1	1	E6
115	115		1911944-00	555CN TIMER,FUNCT.BLOCK	4	4	E7-E10
116	116		1912858-00	LS221 ONE SHOT-DUAL,SCHMIT	1	1	E5

! D ! I ! G ! I ! T ! A ! L !	TITLE	SECTION A OF A	! SIZE ! CODE !	DOCUMENT NUMBER	! REV !
! ! ! ! ! ! ! !	MEMORY REG	! ! ! ! ! ! ! !	! K ! PL !	5413607-0-DBP	! H !
! ! ! ! ! ! ! !		! ! ! ! ! ! ! !	! ! ! ! ! ! ! !		! ! ! ! ! ! ! !

TW

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION		REFERENCE DESIGNATOR
					00	YA	
117	117		1616212-00	80.0 UH 12.5A	1	1	L1
118	118		1616210-00	250.0 UH @ 6.5A DC,600.0 UH @	1	1	L2
119	119		1616211-00	350.0 UH 3A	1	1	L3
120	120		7422046-00	HEAT SINK,SINGLE	3	3	
121	121		7422047-01	HEAT SINK DOUBLE	2	2	
122	122		1213426-03	HEAT SINK TO-3 1" HIGH	1	1	
123	123		1214789-00	INSERT,THREADED 6-32 ,BRASS,ELEC	2	2	
124	124		9009769-00	WASHER, RECTANGULAR .405X.225X.0	3	3	
125	125		9010128-00	SCREW,TAPPING,TYPE PAN ,PHIL,	7	7	
126	126		9006024-01	SCREW,PAN,PHIL 6-32X 1/2 SS	2	2	
127	127		9006011-01	SCREW,PAN,PHIL 4-40X 3/8 SS	3	3	
128	128		9006689-00	WASHER, LOCK, S.S. #4	3	3	
129	129		9006556-00	NUT,HEX , 4-40X1/4 AF X 3/	3	3	
130	130		9006041-01	SCREW,PAN,PHIL 8-32X 3/4 SS	2	2	
131	131		9006802-00	SPACER, HEX, ALUM, .164 ID X .3	2	2	
132	132		9006656-00	WASHER, FLAT, .312 O.D. X .156 I	2	2	
133	133		9007801-00	WASHER, LOCK, S.S. #6	3	3	
134	134		9006690-00	WASHER, LOCK, S.S. #8	2	2	
135	135		9006660-00	WASHER, FLAT, .375 O.D. X .187 I	2	2	
136	136		9009005-00	NUT,HEX , 10-32 X1/4 AF X 3	2	2	
137	137		9007906-00	WASHER, LOCK S.S. #10	2	2	
138	138		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	-	2	W1,W2
139	139	BLANK		*** THIS ITEM IS NOT USED ***	-	-	
140	140		1509700-00	2N 4036 PNP 7WC SI 80100 M	1	1	Q9
141	141	BLANK		*** THIS ITEM IS NOT USED ***	-	-	
142	142		1314187-00	6.19 K .25 W 1.0 % RN55D-F10	1	1	R91
143	143	BLANK		*** THIS ITEM IS NOT USED ***	-	-	
144	144		9107688-55	WIRE(WRAP)24AWG UL1327	A/R	A/R	
145	145		1110766-00	1N 5248B VZ= 18.0 5% .50W	-	2	D18,D36
146	146		1309413-00	3.83 K .25 W 1.0 % RN55D-F10	-	2	R80,R103
147	147		1305145-00	2.80 K .25 W 1.0 % RN55D-F10	-	1	R47
148	148		1312993-00	20.0 1.0 W 5.0 % CC	1	1	R123

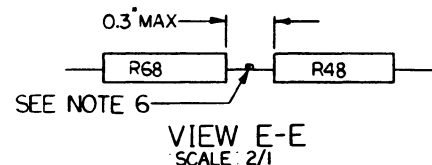
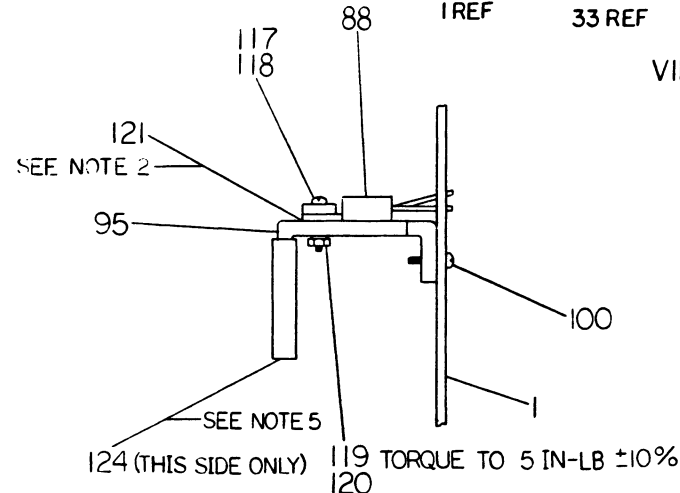
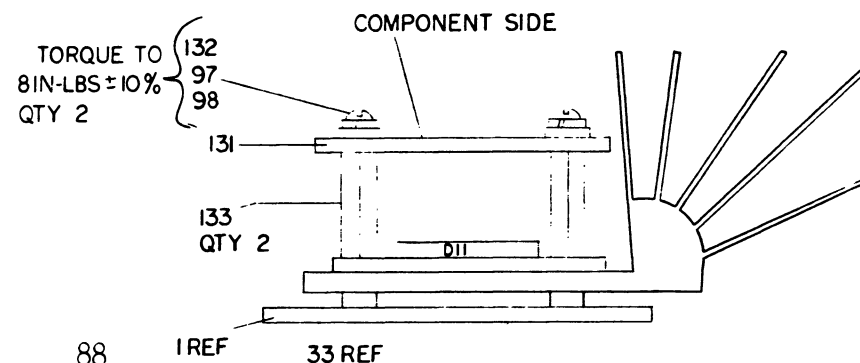
149 NOTE: ITEM #75; .17' IS USED.
150 NOTE: ITEM #144; .19' IS USED.
151 NOTE: ITEM #96; .56' IS USED.

TITLE										SECTION A OF A		SIZE	CODE	DOCUMENT NUMBER	REV
MEMORY REG												K	PL	5413607-0-DBP	H

TW

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COMPONENT SIDE VIEW



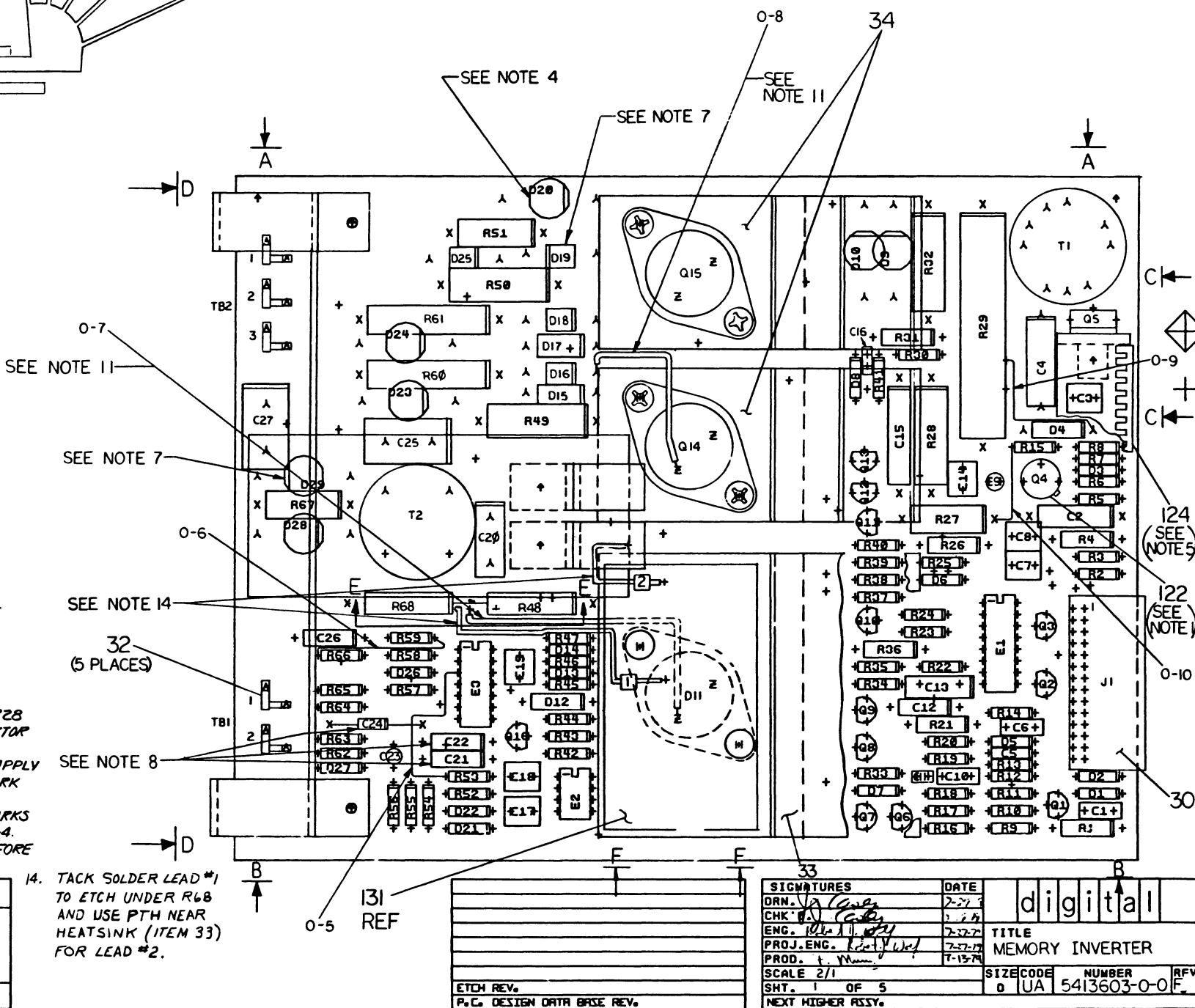
5. APPLY GROMMET (ITEM 124) TO HEAT SINK (ITEM 95) USING PERMABOND (ITEM 126). (USE ONLY ON SIDE INDICATED)
6. R48 & R68 ARE CONNECTED BY TWISTING ONE LEAD OF R68 WITH ONE LEAD OF R48 AND SOLDERING. THE SPECIFIED SPACING BETWEEN THE BODIES OF THE RESISTORS MUST NOT BE EXCEEDED AND ALL EXTRA LEAD MATERIAL MUST BE REMOVED.
7. D19 & D29 HAVE CATHODES IN OPPOSITE DIRECTION TO OTHER DIODES ON BOARD.
8. APPLY INSULATING SLEEVING (ITEM 127) TO EACH LEAD OF C24, C22 & C21.
9. POSITIVE TERMINAL OF CAP. C28 (ITEM 16) IS CONNECTED TO THIS CAPACITOR STRAP (ITEM 109).

10. NEGATIVE TERMINAL OF CAPACITOR C28 (ITEM 16) IS CONNECTED TO THIS CAPACITOR STRAP (ITEM 109).
11. USE 22 AWG BUS WIRE (ITEM 129) AND APPLY INSULATING SLEEVING (ITEM 127) TO REWORK INSTRUCTION 0-7 & 0-8.
12. REMOVE ENTIRE ETCH BETWEEN CUT MARKS FOR REWORK INSTRUCTIONS 0-1, 0-2 & 0-4.
13. Q5 MUST BE MOUNTED TO HEATSINK BEFORE BEING ATTACHED TO P.C.B.

NOTES: 1. USE TRANSIPAD (ITEM 122) UNDER Q4.
2. USE THERMAL COMPOUND (ITEM 121) BETWEEN D11, Q5, Q14, Q15 AND HEAT SINKS.
3. APPLY GROMMET (ITEM 112) TO XFMR MTG. BVP1 (ITEM 107) USING PERMABOND (ITEM 126). (APPLY ONLY IN AREA INDICATED).
4. RAISE P23, R48, R61, R32, R49, R67, D9, R68, D20, D23, D24, D28 AND D29 .100" TO .150" OFF P.C. BOARD.

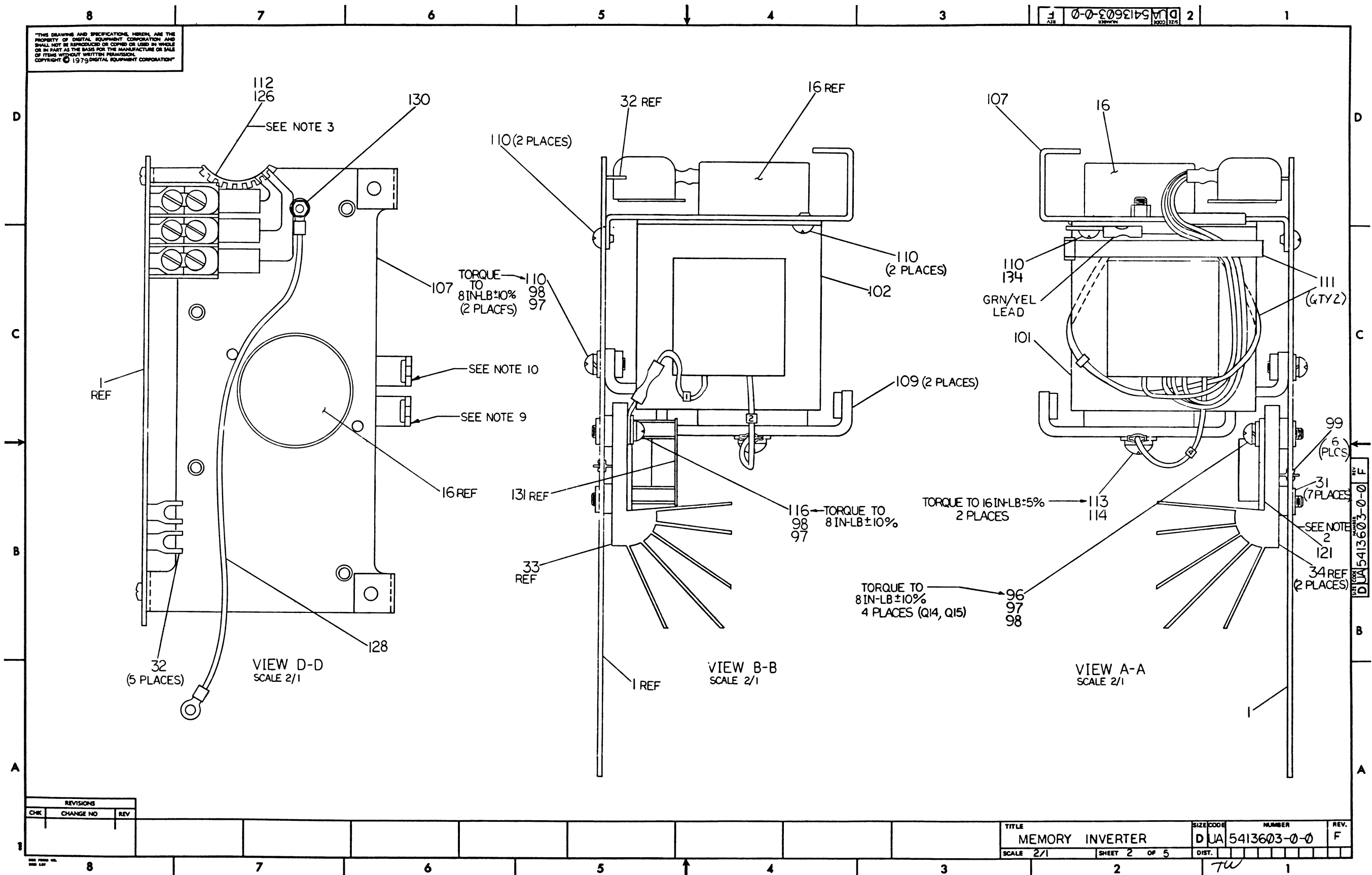
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14. TACK SOLDER LEAD #1 TO ETCH UNDER R68 AND USE PTH NEAR HEATSINK (ITEM 33) FOR LEAD #2.

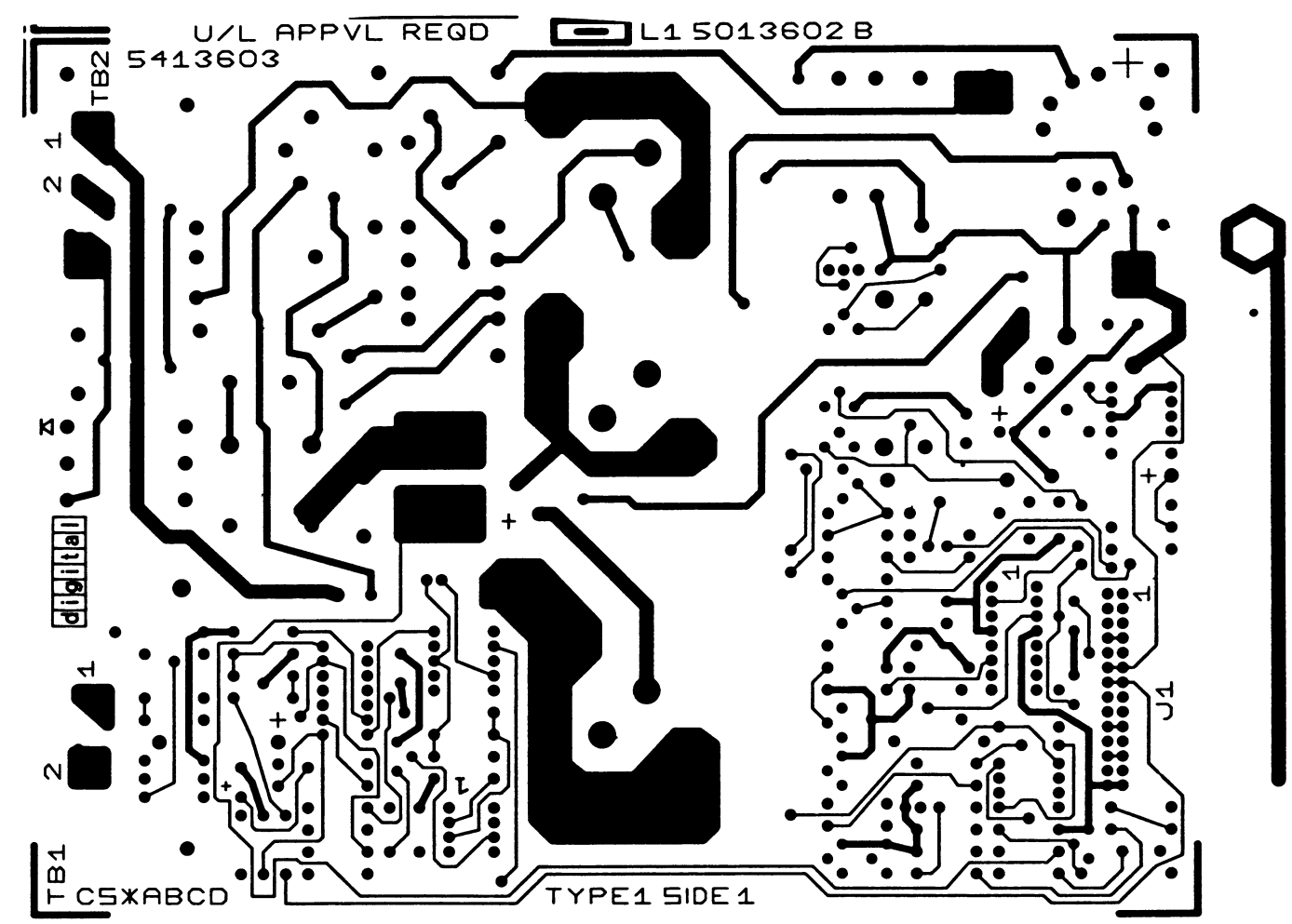


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ENG. <i>[Signature]</i>		2-27-77	
PROD. <i>[Signature]</i>		7-27-77	
TITLE			MEMORY INVERTER
SCALE 2/1			
SHT. 1 OF 5			
NEXT HIGHER ASSY.			REV.
SIZE CODE			NUMBER
0 UJA 5413603-0-0 F			1 MS#

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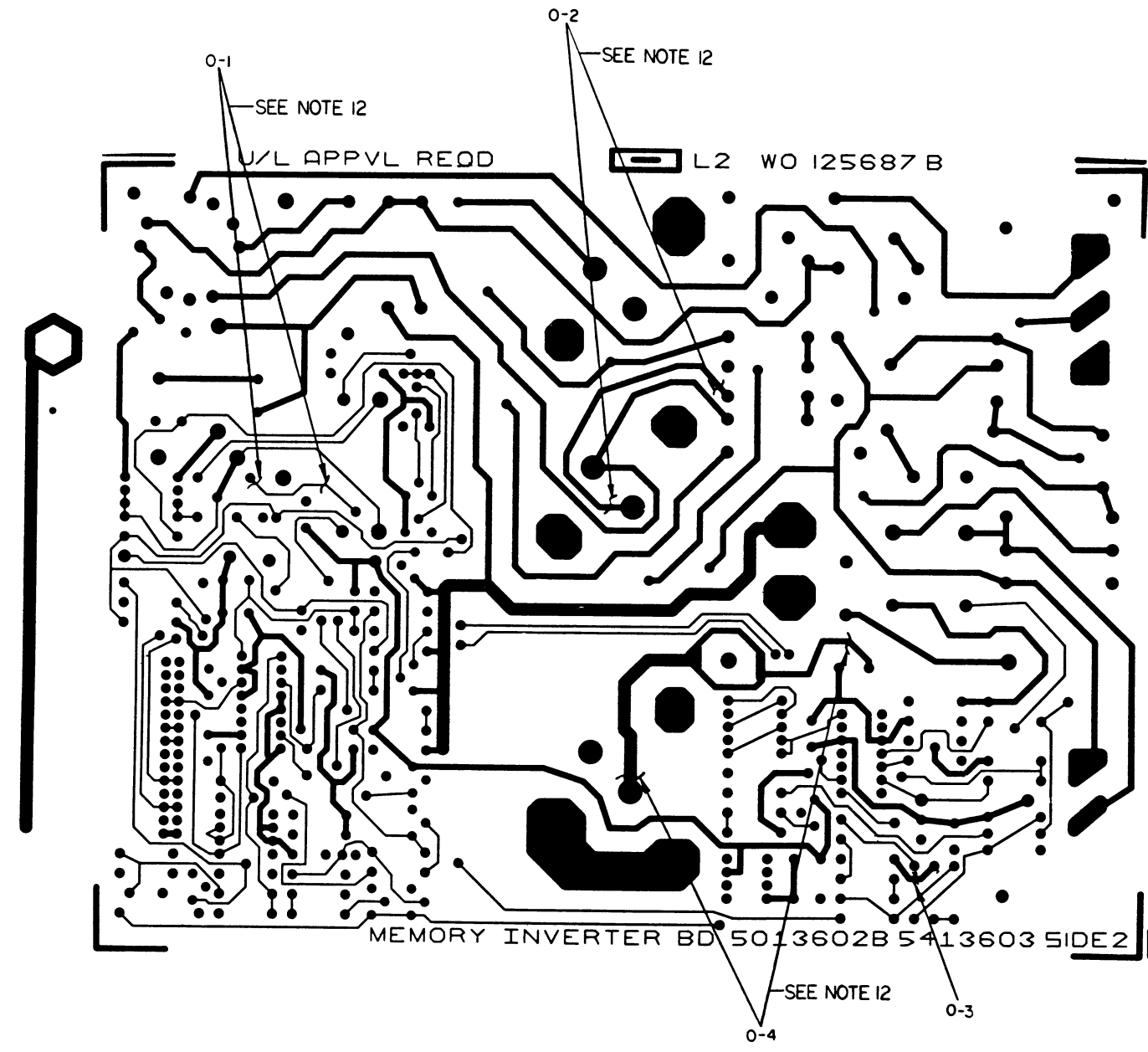


REVISIONS		
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SCALE	2/1	SHEET	3	OF	5	DIST

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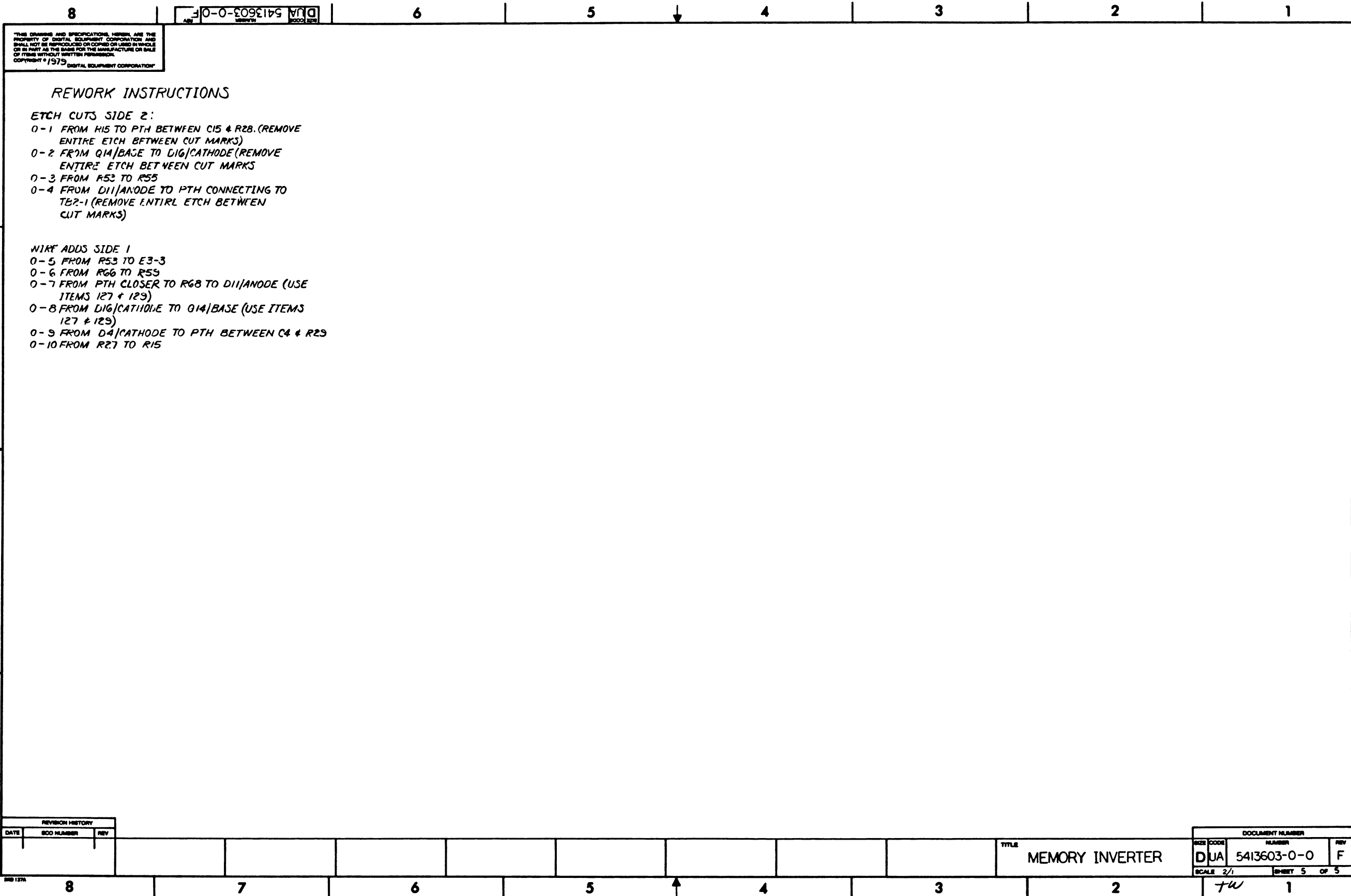
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REVISIONS		
CHK	CHANGE	REV

TITLE		SIZE	CODE	NUMBER		REV
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SCALE		SHEET		OF		
2/1		4		5		
		DIST				

TW



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REWORK INSTRUCTIONS

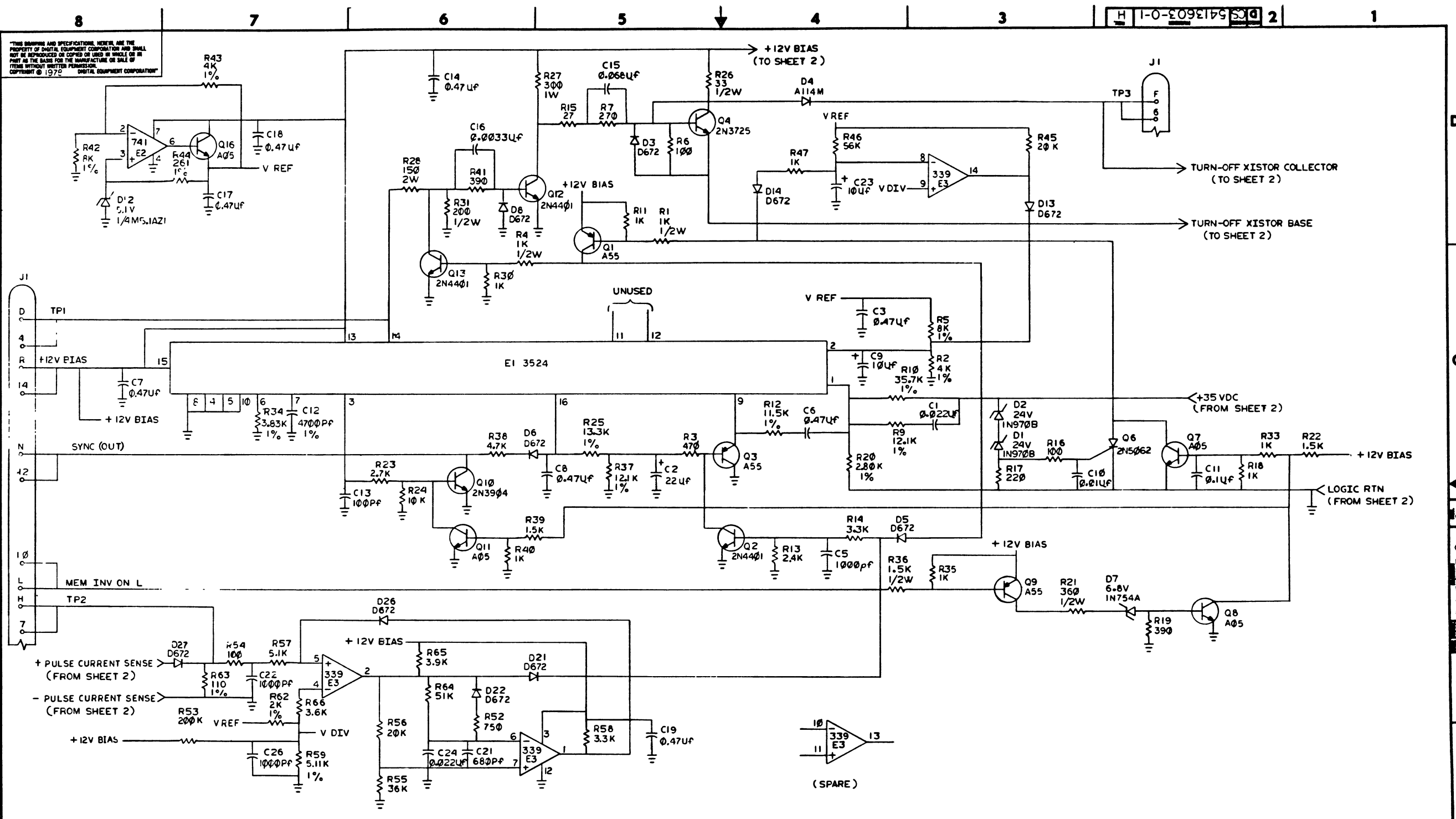
- ETCH CUTS SIDE 2:
- 0-1 FROM R15 TO PTH BETWEEN C15 & R28. (REMOVE ENTIRE ETCH BETWEEN CUT MARKS)
 - 0-2 FROM Q14/BASE TO D16/CATHODE (REMOVE ENTIRE ETCH BETWEEN CUT MARKS)
 - 0-3 FROM R53 TO R55
 - 0-4 FROM D11/ANODE TO PTH CONNECTING TO T62-1 (REMOVE ENTIRE ETCH BETWEEN CUT MARKS)
- WIRE ADDS SIDE 1
- 0-5 FROM R53 TO E3-3
 - 0-6 FROM R66 TO R59
 - 0-7 FROM PTH CLOSER TO R68 TO D11/ANODE (USE ITEMS 127 & 129)
 - 0-8 FROM D16/CATHODE TO Q14/BASE (USE ITEMS 127 & 129)
 - 0-9 FROM D4/CATHODE TO PTH BETWEEN C4 & R29
 - 0-10 FROM R27 TO R15

REVISION HISTORY		
DATE	ECO NUMBER	REV

TITLE
MEMORY INVERTER

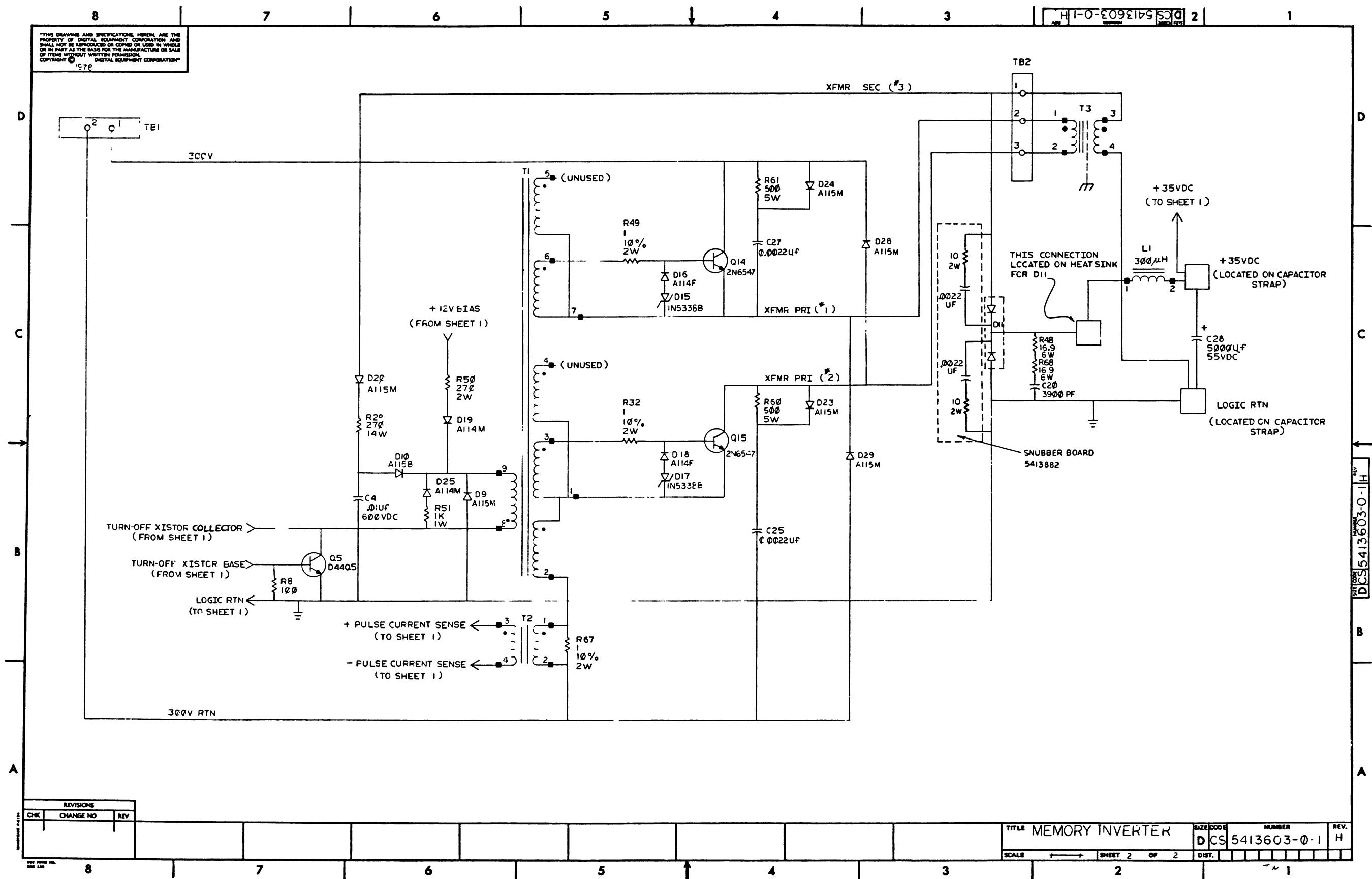
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SCALE 2/1		SHEET 5 OF 5	

fw



REV.	DATE	BY	CHKD.
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2	24 APR 80	A. KANTARGIS	
3	24 APR 80	R. RICHARD	
4	24 APR 80	A. KANTARGIS	
5	24 APR 80	R. RICHARD	
6	24 APR 80	A. KANTARGIS	
7	24 APR 80	R. RICHARD	
8	24 APR 80	A. KANTARGIS	

OWN. 12-70	FIRST USED ON	12-70
CHKD. 12-70	TITLE	MEMORY INVERTER
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PROD. 12-70	PROD. 12-70	7-15-75
NEXT HIGHER ASSY.	SIZE	CODE
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SHEET 1	OF 2	DIST.



LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
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2	2		1000016-00	100.0 MMF 100V 5%200PPM MICA	1	C13
3	3		1000052-00	.068 MFD 100V 10% MYLR	1	C15
4	4		1012783-00	.022 MFD 50V +80-20% CER	1	C24
5	5		1005636-00	22 MFD 6V 10% S.TANT	1	C2
6	6		1009312-00	.0047 MFD 100V 1% MYLR	1	C12
7	7		1010279-00	.47 MFD 25V 20% CER	8	C7,C18,C19,C8,C14,C17,C3,C6
8	8		1010978-24	.01 MFD 50V 10% CER	1	C10
9	9		1011740-01	3300.0 MMF 50V 10% CER	1	C16
10	10		1011683-00	.022 MFD 50V 10% CER	1	C1
11	11		1013466-08	680.0 MMF 50V 10% X7R CER	1	C21
12	12		1013466-09	1000.0 MMF 50V 10% X7R CER	3	C5,C22,C26
13	13		1011847-02	.01 MFD 600V 10% POLYPROP	1	C4
14	14		1014139-00	.0022 MFD 600V 10% POLYPROP	2	C25,C27
15	15		1013397-00	3900.0 MMF 200V 10%200PPM MICA	1	C20
16	16		1016168-00	5000 MFD 55V 20% AL EL	1	C28
17	17		1010978-36	.1 MFD 50V 10% CER	1	C11
18	18		1010866-02	10 MFD 25V +50-20% S.TANT	2	C9,C23
19	19		1105275-00	D 672 TR= 15NS PIV= 60V SI	10	D26,D27,D21,D22,D8,D5,D3,D14,
						CONT D13,D6
20	20		1105871-00	1/4M5.1AZ1 = 5.1 1% .25W N	1	D12
21	21		1109991-00	1N 754A VZ= 6.8 5% .40W	1	D7
22	22		1110556-00	1N 970B VZ= 24.0 5% .40W Y	2	D1,D2
23	23		1112594-01	A115B PIV=200 I= 3A	1	D10
24	24		1112594-02	A115M PIV=600 I= 3A	6	D24,D20,D23,D28,D29,D9
25	25		1112595-00	A114F PIV= 50 I= 1A	2	D16,D18
26	26		1112595-02	A114M PIV=600 I= 1A	3	D25,D4,D19
27	27		1114192-00	TR=200NS COM. CATHODE	1	D11
28	28		1114435-00	1N 5338B VZ= 5.1 5% 5W	2	D15,D17
29	29		1110968-00	2N 5062 SCR@100V I=.8A T092	1	Q6

REVISION HISTORY			BASIC PART NO: 5413603			DRN: K.SHEYTANIAN			DATE: 20-DEC-78			D I G I T A L			
ENG	ECO NUMBER	REV	SECTION A OF A												
---	INIT	A	SECTION VARIATION INDEX			CHK'D: F.GAROFALO			DATE:			TITLE PARTS LIST			
RW	5413603-TW001	R	[A] 00									MEMORY INVERTER			
AK	5413603-TW002	C	[B]												
AK	5413603-TW002	C	[C]			DES.ENG: J.A.HERRMANN			DATE:						
RW	5413603-TW003	D	[D]												
RW	5413603-TW004	E	[E]									DOCUMENT NUMBER			
			[F]			RESP.ENG.: J.HERMANN			DATE: 20-DEC-78						
			[H]									SIZE	CODE	NUMBER	REV
			[J]												
			[K]			MFG.ENG.: J.COMELLA			DATE:			K	PL	5413603-0-DBP	E
			[L]												
			[M]			ASSEMBLY NUMBER:			TOP DOCUMENT NUMBER:			FILE NAME:			EDIT #
			[N]			D-UA-5413603-0-0						Z0401.PLS			22

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TW

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
30	30		1216112-01	HEADER.100 28POS RT ANGLE	1	J1
31	31		1214789-00	INSERT,THREADED 6-32 ,BRASS,ELEC	7	
32	32		1216269-01	TERM SPADE 1POS SOLDER STRIP	5	
33	33		1216314-00	HEAT SINK	1	
34	34		1216314-01	HEAT SINK	2	
35	35		1309679-00	16.90 6.0 W 1.0 % WW	2	R48,R68
36	36		1300195-00	33.0 .50 W 5.0 % CC	1	R26
37	37		1300229-00	100.0 .25 W 5.0 % CC	3	R16,R6,R8
38	38		1300250-00	*** THIS ITEM IS NOT USED ***	-	
39	39		1300257-00	150.0 2.0 W 5.0 % CC	1	R28
40	40		1300271-00	220.0 .25 W 5.0 % CC	1	R17
41	41		1300292-00	300.0 1.0 W 5.0 % CC	1	R27
42	42		1300309-00	390.0 .25 W 5.0 % CC	2	R19,R41
43	43		1300316-00	470.0 .25 W 5.0 % CC	1	R3
44	44		1300364-00	1.0 K .50 W 5.0 % CC	2	R4,R1
45	45		1300365-00	1.0 K .25 W 5.0 % CC	8	R30,R11,R35,R18,R33,R40,R47,R54
46	46		1300394-00	1.50 K .50 W 5.0 % CC	1	R36
47	47		1300439-00	3.30 K .25 W 5.0 % CC	2	R58,R14
48	48		1300444-00	3.90 K .25 W 5.0 % CC	1	R65
49	49		1300447-00	4.70 K .25 W 5.0 % CC	1	R38
50	50		1300479-00	10.0 K .25 W 5.0 % CC	1	R24
51	51		1301401-00	750.0 .25 W 5.0 % CC	1	R52
52	52		1301522-00	27.0 .25 W 5.0 % CC	1	R15
53	53		1303169-00	500.0 5.0 W 5.0 % WW	2	R60,R61
54	54		1301972-00	270.0 .25 W 5.0 % CC	1	R7
55	55		1302873-00	261.0 .25 W 1.0 % RN55D-F10	1	R44
56	56		1302377-00	*** THIS ITEM IS NOT USED ***	-	
57	57		1302383-00	360.0 .50 W 5.0 % CC	1	R21
58	58		1302391-00	20.0 K .25 W 5.0 % CC	2	R56,R45
59	59		1304839-00	51.0 K .25 W 5.0 % CC	1	R64
60	60		1303114-00	*** THIS ITEM IS NOT USED ***	-	
61	61		1303313-00	12.10 K .25 W 1.0 % RN55D-F10	2	R37,R9
62	62		1305127-00	4.0 K .25 W 1.0 % RN55D-F10	2	R43,R2
63	63		1305129-00	8.0 K .25 W 1.0 % RN55D-F10	2	R42,R5
64	64		1305145-00	2.80 K .25 W 1.0 % RN55D-F10	1	R20
65	65		1305322-00	*** THIS ITEM IS NOT USED ***	-	
66	66		1305380-00	270.0 2.0 W 5.0 % CC	1	R50
67	67		1305421-00	35.70 K .25 W 1.0 % RN55D-F10	1	R10
68	68		1314350-00	1.0 2.0 W10.0 % FUSE	3	R32,R49,R67
69	69		1309413-00	3.83 K .25 W 1.0 % RN55D-F10	1	R34
70	70		1314172-00	270.0 14.0 W 5.0 % WW	1	R29
71	71		1300426-00	2.70 K .25 W 5.0 % CC	1	R23
72	72		1312565-00	13.30 K .25 W 1.0 % RN55D-F10	1	R25
73	73		1312923-00	*** THIS ITEM IS NOT USED ***	-	
74	74		1312930-00	5.10 K .25 W 5.0 % CC	1	R57
75	75		1312932-00	36.0 K .25 W 5.0 % CC	1	R55
76	76		1313151-00	3.60 K .25 W 5.0 % CC	1	R66
77	77		1313581-00	110.0 .25 W 1.0 % RN55D-F10	1	R63

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							MEMORY INVERTER		K	PL	5413603-0-DBP	E

TW

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
78	78		1300389-00	*** THIS ITEM IS NOT USED ***	-	
79	79		1302381-00	200.0 .50 W 5.0 % CC	1	R31
80	80		1300368-00	1.0 K 1.0 W 5.0 % CC	1	R51
81	81		1300391-00	1.50 K .25 W 5.0 % CC	2	R39,R22
82	82		1302395-00	56.0 K .25 W 5.0 % CC	1	R46
83	83		1510705-00	XA 05 NPN 500MW SI 60 50 P	4	Q7,Q8,Q11,Q16
84	84		1510706-00	XA 55 PNP 500MW SI 60 50 P	3	Q1,Q3,Q9
85	85		1510959-00	2N 3725 NPN 3.5WC SI 50 60 P	1	Q4
86	86		1513489-00	2N 4401 NPN 350MW SI 40 20	3	Q2,Q12,Q13
87	87		1514195-00	2N 6547 PNP 400V SI 15A	2	Q14,Q15
88	88		1514271-01	D 44Q5 NPN 31W SI225 30	1	Q5
89	89		1509524-00	2N 3904 NPN 310MW SI 40 40 M	1	Q10
90	90		1614202-00	XFMR,CURRENT	1	T2
91	91		1614204-00	PULSE XFMR 20312 BASE DRIVE	1	T1
92	92		1910298-00	741 OP AMP GEN PURP. COM	1	E2
93	93		1912108-00	339 VOLT CMPRTR,QUAD	1	E3
94	94		1914250-00	3524 MODULATOR-REGULATING	1	E1
95	95		7422046-00	HEAT SINK,SINGLE	1	
96	96		9006025-01	SCREW,PAN,PHIL 6-32X 5/8 SS	4	
97	97		9006656-00	WASHER, FLAT, .312 O.D. X .156 I	8	
98	98		9007801-00	WASHER, LOCK, S.S. #6	9	
99	99		9007836-00	EYELET, ROLLED FLANGE, .121 OD X	6	
100	100		901012E-00	SCREW,TAPPING,TYPE PAN,PHIL,	1	
101	101		7016051-00	TRANSFORMER ASSY	1	T3
102	102		7016052-00	CHOKE ASSY	1	L1
103	103		1303177-00	2.40 K .25 W 5.0 % CC	1	R13
104	104		1302860-00	11.50 K .25 W 1.0 % RN55D-F10	1	R12
105	105		1304854-00	5.11 K .25 W 1.0 % RN55D-F10	1	R59
106	106		1300411-00	2.0 K .25 W 1.0 % RN55D-F10	1	R62
107	107		7421435-00	MTG BRKT	1	
108	108		9009052-00	*** THIS ITEM IS NOT USED ***	-	
109	109		7422045-00	CAPACITOR STRAP	2	
110	110		9009708-00	SCREW,PAN,PHIL,TAP'G 6-32X	8	
111	111		9009617-00	TIE,CABLE BUNDL.DIA 0-3"TYPE=101	2	
112	112		9007035-00	GROMMET #122-37-1500	A/R	
113	113		9006071-01	SCREW,PAN,PHIL 10-32X 3/8 SS	2	
114	114		9007906-00	WASHER, LOCK S.S. #10	2	
115	115		9009243-00	*** THIS ITEM IS NOT USED ***	-	
116	116		9006024-01	SCREW,PAN,PHIL 6-32X 1/2 SS	1	
117	117		9009769-00	WASHER, RECTANGULAR .405X.225X.0	1	
118	118		9006011-01	SCREW,PAN,PHIL 4-40X 3/8 SS	1	
119	119		9006688-00	WASHER, LOCK, S.S. #4	1	
120	120		9006556-00	NUT,HEX , 4-40X1/4 AF X 3/	1	
121	121		9008268-00	COMPOUND, THERMAL JOINT	A/R	
122	122		9007201-00	TRANSIPADS #10253	1	
123	123		9105740-55	WIRE(WRAP)30AWG UL1423	A/R	
124	124		9007036-00	GROMMET #122-37-2500	A/R	
125	125		1314516-00	200.0 K .25 W 5.0 % CC	1	R53

D	I	G	I	T	A	L	TITLE	SECTION A	OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							MEMORY INVERTER			K	FL	5413603-0-DBP	E

TW

SHEET A4 OF A4

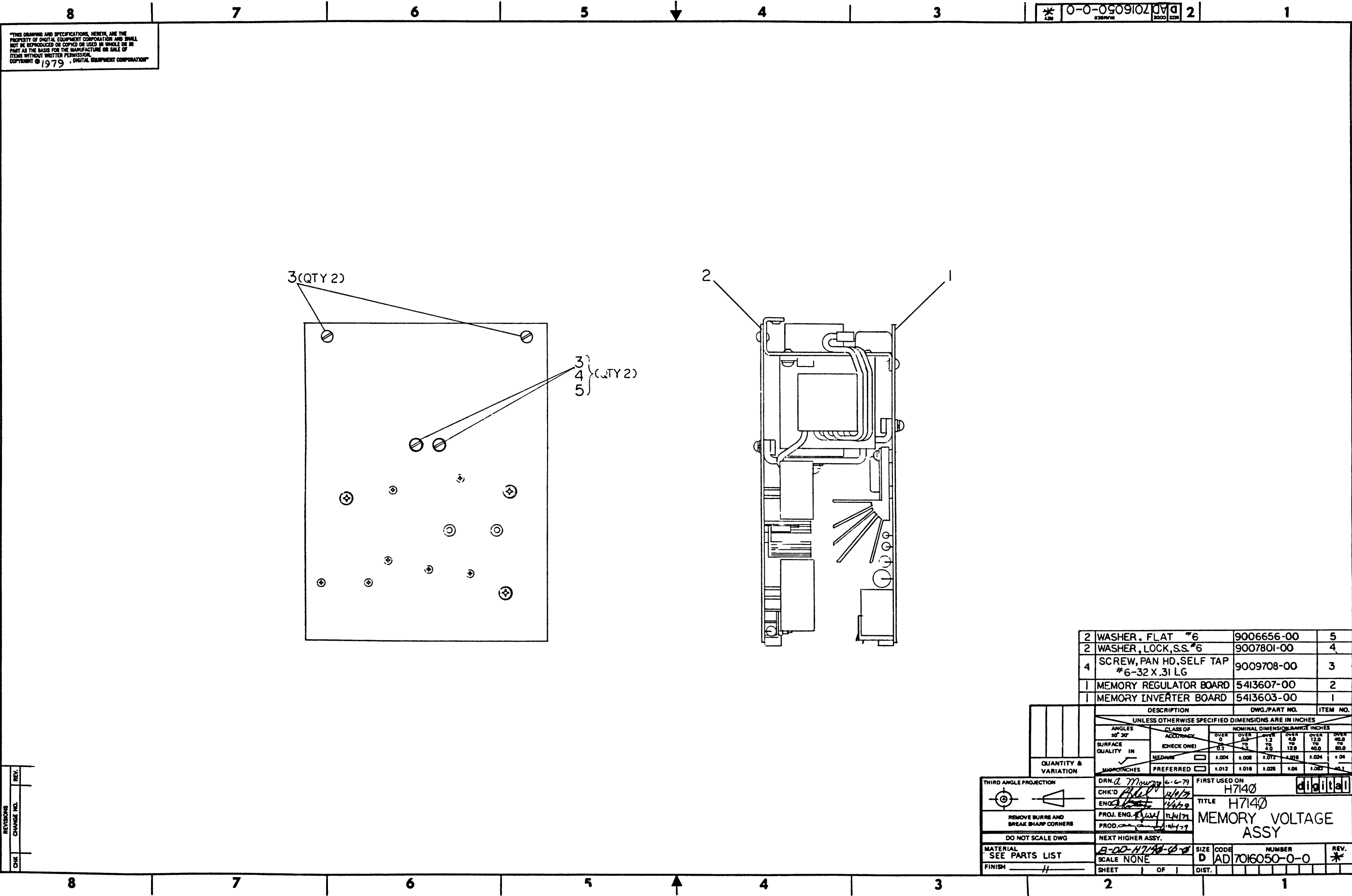
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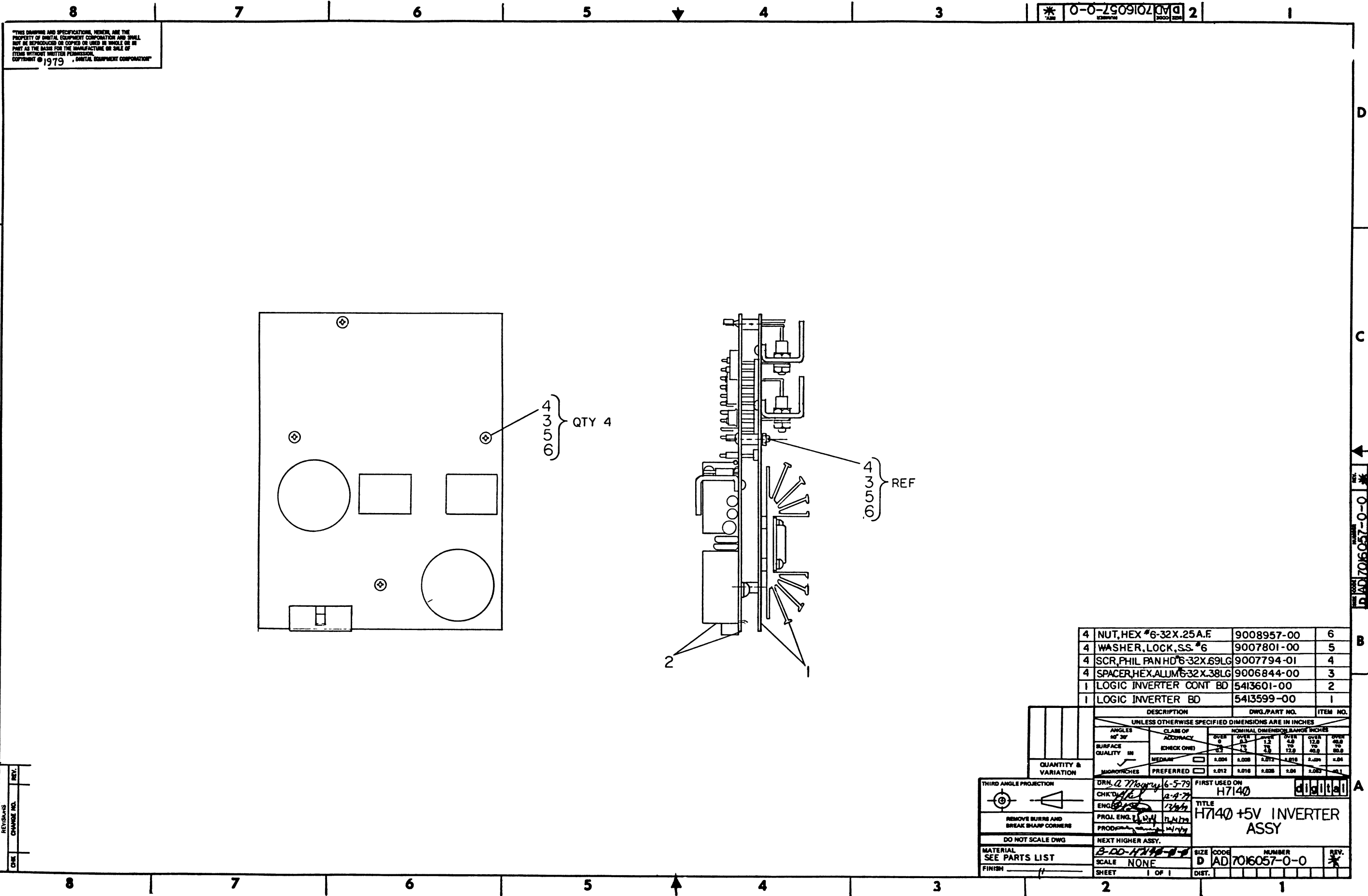
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134 NOTE:    ITEM #123; .52' IS USED.
135 NOTE:    ITEM #124; .08' IS USED.
136 NOTE:    ITEM #127;.56' IS USED.
137 NOTE:    ITEM #129; .37' IS USED.

```

TW





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REV.
CHANGE NO.
CHK

4	NUT, HEX #6-32X.25 A.F.	9008957-00	6
4	WASHER, LOCK, SS #6	9007801-00	5
4	SCR, PHIL PAN HD #6-32X.69LG	9007794-01	4
4	SPACER, HEX ALUM #6-32X.38LG	9006844-00	3
1	LOGIC INVERTER CONT BD	5413601-00	2
1	LOGIC INVERTER BD	5413599-00	1

QUANTITY & VARIATION			

DESCRIPTION		DWG./PART NO.		ITEM NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
ANGLES 30° 30'	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES			
SURFACE QUALITY	(CHECK ONE)	OVER 6 TO 13	OVER 6.3 TO 12.5	OVER 12.5 TO 48.0	OVER 48.0 TO 80.0
		1.004 1.008 1.012	1.008 1.012 1.016	1.012 1.016 1.020	1.016 1.020 1.024
MEDIUM	☐	1.004	1.008	1.012	1.016
PREFERRED	☐	1.012	1.016	1.020	1.024

REMOVE BURRS AND
BREAK SHARP CORNERS

DO NOT SCALE DWG

MATERIAL
SEE PARTS LIST

FINISH

DRN. *A. J. Murphy* 6-5-79
 CHK'D *AL* 2-9-79
 ENG'D *AL* 12-1-79
 PROJ. ENG. *AL* 12-1-79
 PROD. *AL* 12-1-79

NEXT HIGHER ASSY.

B-00-H7140-0-0

SCALE NONE

SHEET 1 OF 1

FIRST USED ON
H7140

TITLE
H7140 +5V INVERTER
ASSY

SIZE CODE NUMBER

D AD 7016057-0-0

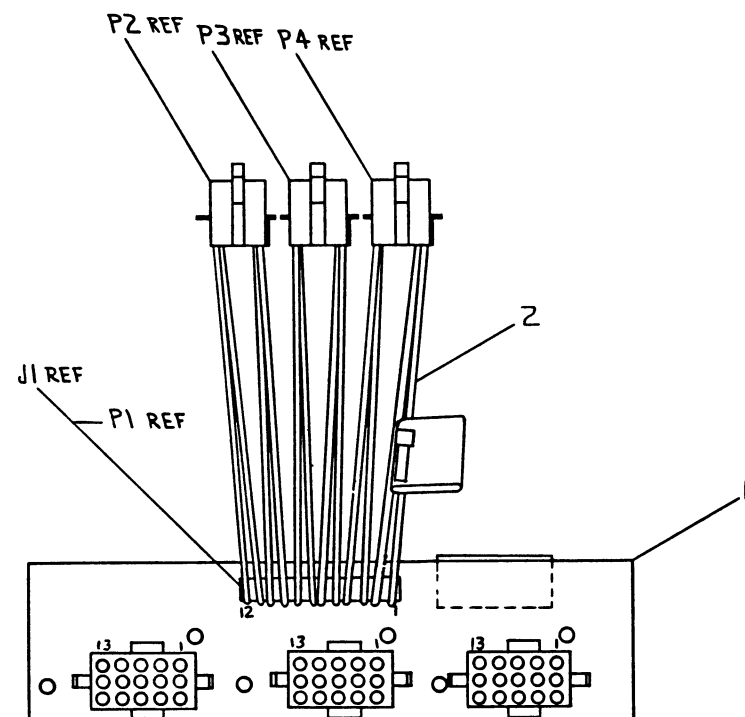
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digital

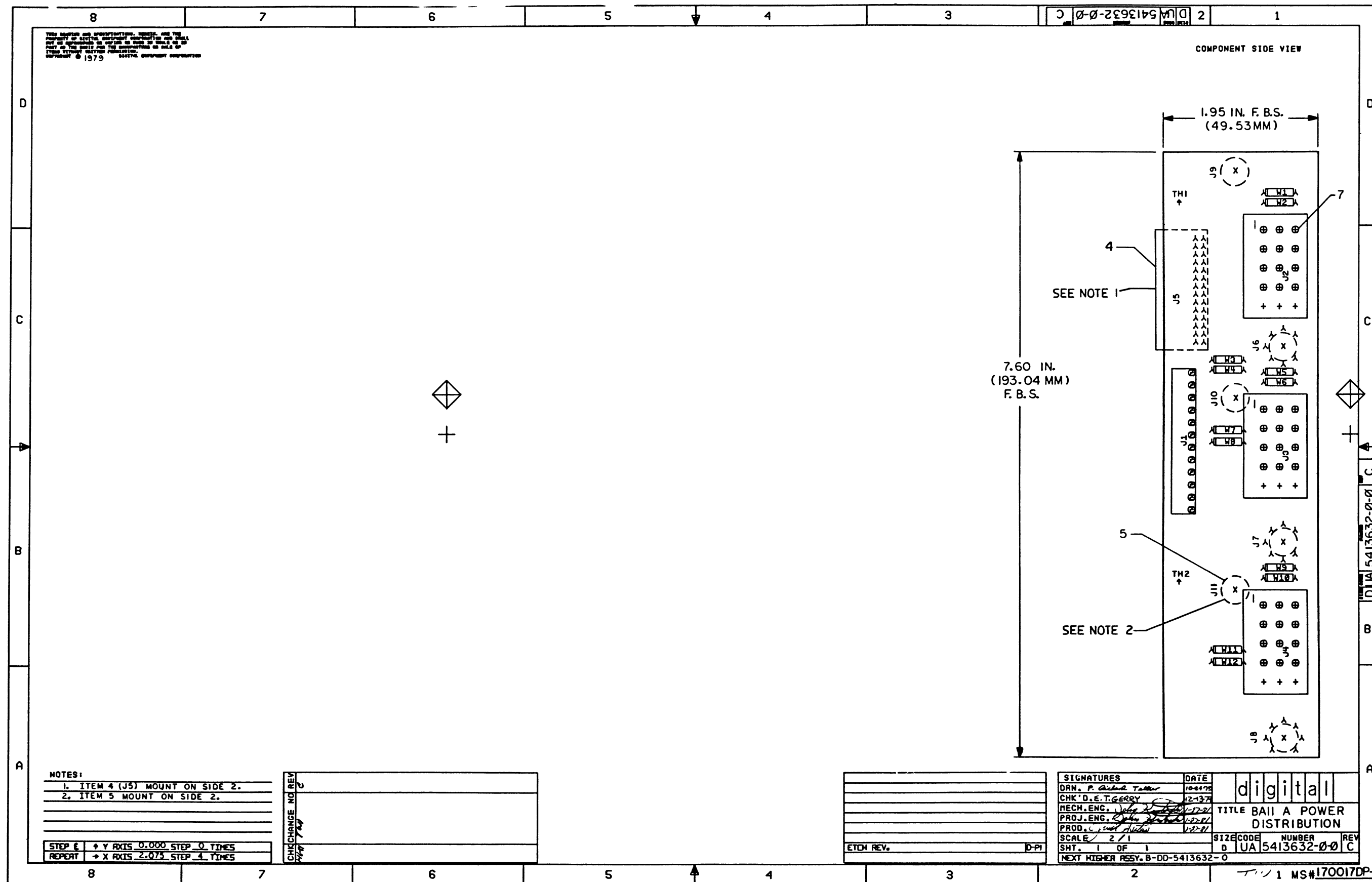
REV.

*

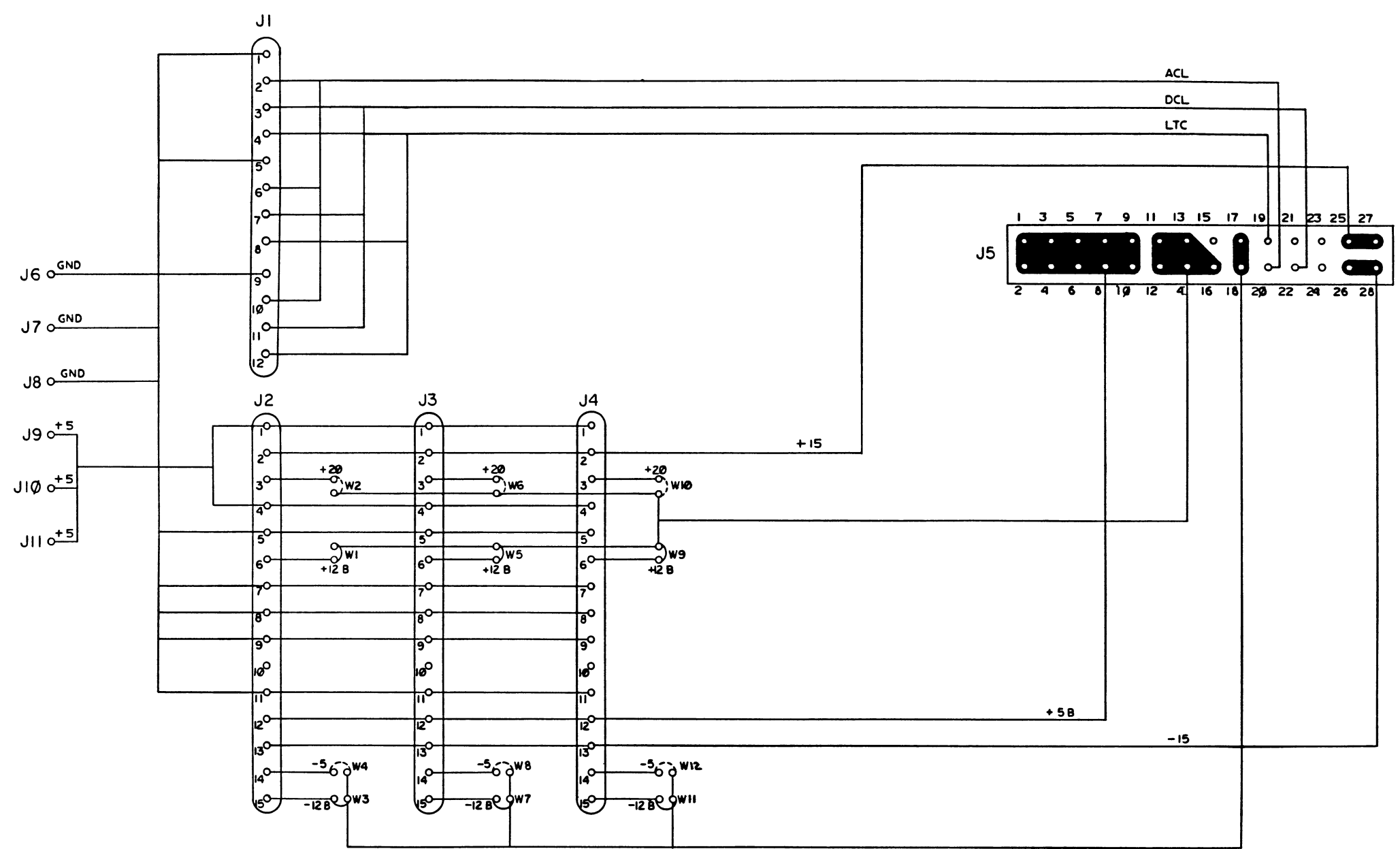
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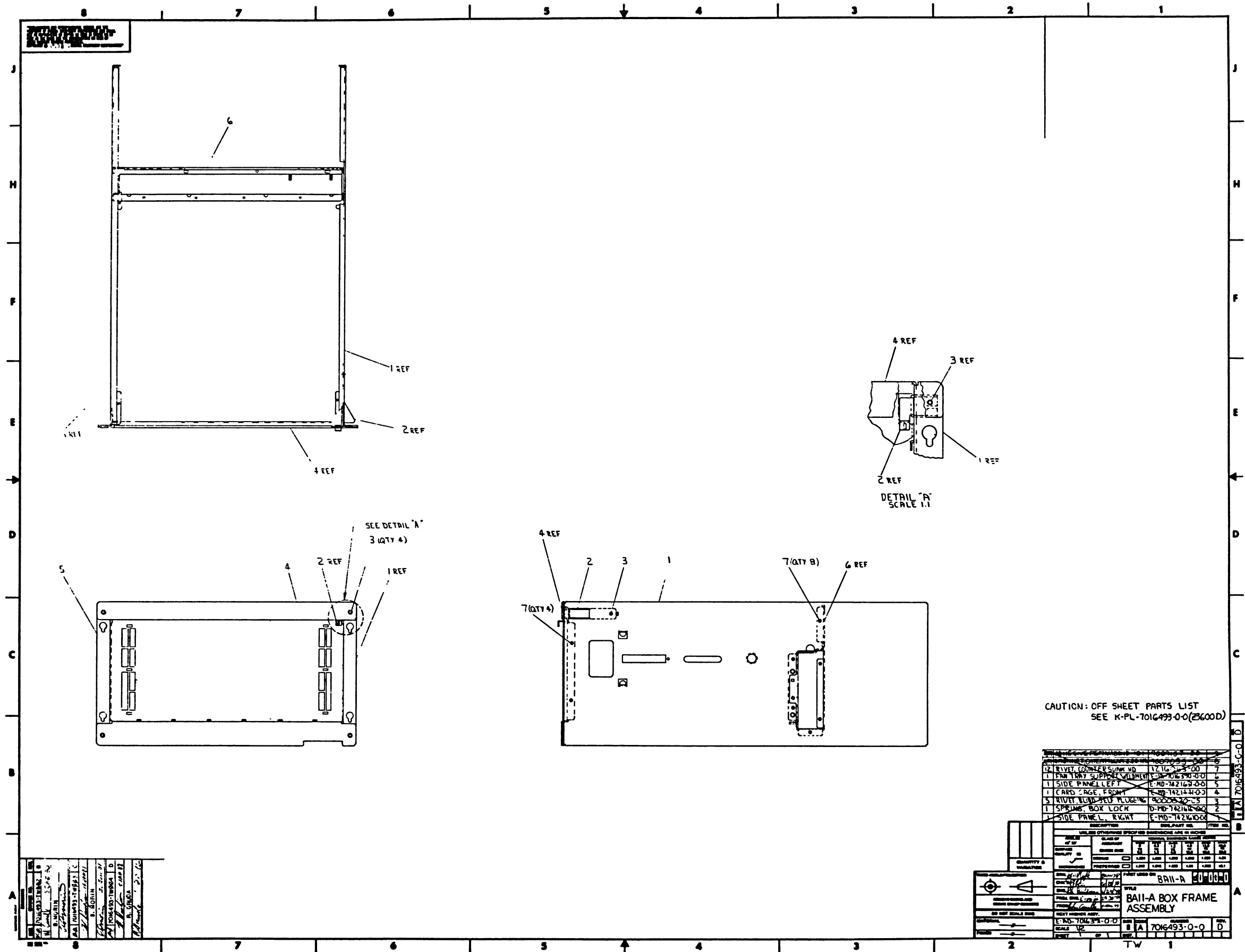
1 CABLE JUMPER ASSY		D-1A-7016887-00	2
1 POWER DIST. BOARD		D-UA-5413632-0-0	1
DESCRIPTION		DWG./PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
ANGLES 90° 30°	CLARE OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES	
SURFACE QUALITY	MEDIUM	FINISH	FINISH
QUANTITY & VARIATION	PREFERRED	FINISH	FINISH
THIRD ANGLE PROJECTION		FIRST USED ON	
REMOVE BURS AND BREAK SHARP CORNERS		TITLE	
DO NOT SCALE DWG		POWER DISTRIBUTION BOARD ASSY	
MATERIAL		SIZE	CODE
FINISH		SCALE	NUMBER
		SHEET	REV.



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DRN. <i>01/11/79</i>	BY <i>WJH</i>	DATE <i>11/11/79</i>	FIRST USED ON
CHK'D <i>WJH</i>	BY <i>WJH</i>	DATE <i>11/11/79</i>	TITLE
ENGL. <i>WJH</i>	BY <i>WJH</i>	DATE <i>11/11/79</i>	BALI-A POWER DISTRIBUTION BOARD
PROL. ENG. <i>WJH</i>	BY <i>WJH</i>	DATE <i>11/11/79</i>	SIZE CODE NUMBER REV.
PROD. <i>WJH</i>	BY <i>WJH</i>	DATE <i>11/11/79</i>	D CS 5413632-0-1 C
NEXT HIGHER ASSY.			
SCALE			
SHEET 1 OF 1			

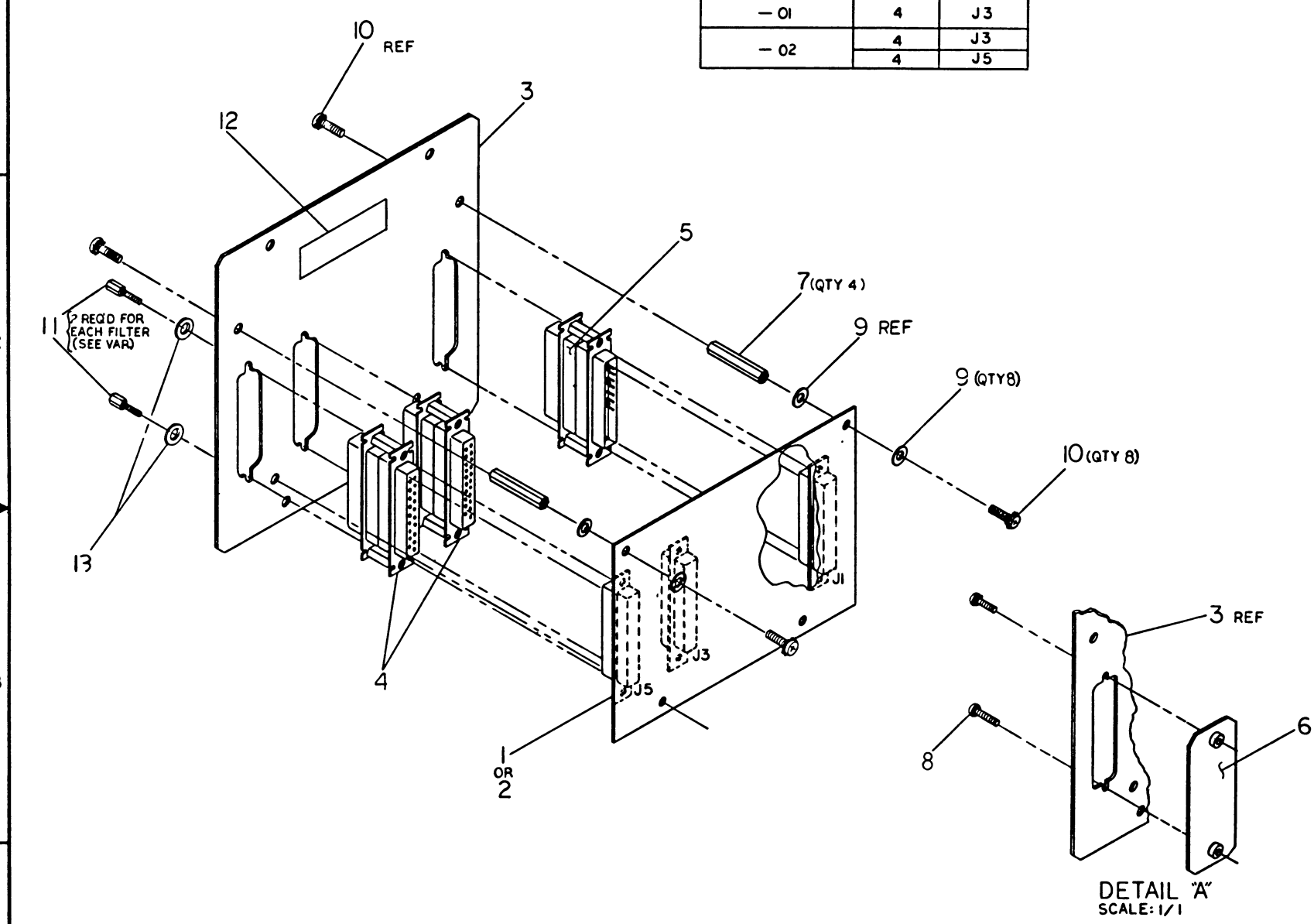


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INTERCONNECT LIST SEE NOTE 1		
VARIATION	USE ITEM NO.	CONNECT TO
- 00	5	J1
	4	J3
	4	J5
- 01	4	J3
- 02	4	J3
	4	J5

LEGEND	
NUMBER	VARIATION
7017466-00	WITH REMOTE DIAGNOSTIC
7017466-01	WITH ONE SERIAL LINE
7017466-02	WITH TWO SERIAL LINES

NOTES:
1. IN THOSE POSITIONS (J1 OR J3) WHICH HAVE NO FILTER, (ITEM 4 OR 5) INSTALL COVER PLATE (ITEM 6) TO BRKT, MTG (ITEM 3) SEE DETAIL 'A'.
2. IDENT. LABEL REQ'D AFTER ASSY DENOTING P/N, VAR. AND REV. (ITEM 12)



CAUTION OFF SHEET PARTS LIST EXISTS ON
-K-PL-7017466-Ø-DBP

REVISION HISTORY	
DATE	REV
7/27/80	1
7/27/80	2
7/27/80	3
7/27/80	4
7/27/80	5
7/27/80	6
7/27/80	7
7/27/80	8

DESCRIPTION	DRAWING NO.	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (PER DEC STD 114)			
INCHES TOLERANCES	ANGLES ± 1° 30'	APPLICABLE DIMENSION RANGE (CHECK ONE)	DIMENSION RANGE IN INCHES
OVER 12.0 TO 48.0 ± .004	OVER 12.0 TO 48.0 ± .004	OVER 12.0 TO 48.0 ± .004	OVER 12.0 TO 48.0 ± .004
OVER 48.0 TO 96.0 ± .004	OVER 48.0 TO 96.0 ± .004	OVER 48.0 TO 96.0 ± .004	OVER 48.0 TO 96.0 ± .004
OVER 96.0 TO 192.0 ± .004	OVER 96.0 TO 192.0 ± .004	OVER 96.0 TO 192.0 ± .004	OVER 96.0 TO 192.0 ± .004
OVER 192.0 TO 384.0 ± .004	OVER 192.0 TO 384.0 ± .004	OVER 192.0 TO 384.0 ± .004	OVER 192.0 TO 384.0 ± .004
OVER 384.0 TO 768.0 ± .004	OVER 384.0 TO 768.0 ± .004	OVER 384.0 TO 768.0 ± .004	OVER 384.0 TO 768.0 ± .004
OVER 768.0 TO 1536.0 ± .004	OVER 768.0 TO 1536.0 ± .004	OVER 768.0 TO 1536.0 ± .004	OVER 768.0 TO 1536.0 ± .004
OVER 1536.0 TO 3072.0 ± .004	OVER 1536.0 TO 3072.0 ± .004	OVER 1536.0 TO 3072.0 ± .004	OVER 1536.0 TO 3072.0 ± .004
OVER 3072.0 TO 6144.0 ± .004	OVER 3072.0 TO 6144.0 ± .004	OVER 3072.0 TO 6144.0 ± .004	OVER 3072.0 TO 6144.0 ± .004
OVER 6144.0 TO 12288.0 ± .004	OVER 6144.0 TO 12288.0 ± .004	OVER 6144.0 TO 12288.0 ± .004	OVER 6144.0 TO 12288.0 ± .004
OVER 12288.0 TO 24576.0 ± .004	OVER 12288.0 TO 24576.0 ± .004	OVER 12288.0 TO 24576.0 ± .004	OVER 12288.0 TO 24576.0 ± .004
OVER 24576.0 TO 49152.0 ± .004	OVER 24576.0 TO 49152.0 ± .004	OVER 24576.0 TO 49152.0 ± .004	OVER 24576.0 TO 49152.0 ± .004
OVER 49152.0 TO 98304.0 ± .004	OVER 49152.0 TO 98304.0 ± .004	OVER 49152.0 TO 98304.0 ± .004	OVER 49152.0 TO 98304.0 ± .004
OVER 98304.0 TO 196608.0 ± .004	OVER 98304.0 TO 196608.0 ± .004	OVER 98304.0 TO 196608.0 ± .004	OVER 98304.0 TO 196608.0 ± .004
OVER 196608.0 TO 393216.0 ± .004	OVER 196608.0 TO 393216.0 ± .004	OVER 196608.0 TO 393216.0 ± .004	OVER 196608.0 TO 393216.0 ± .004
OVER 393216.0 TO 786432.0 ± .004	OVER 393216.0 TO 786432.0 ± .004	OVER 393216.0 TO 786432.0 ± .004	OVER 393216.0 TO 786432.0 ± .004
OVER 786432.0 TO 1572864.0 ± .004	OVER 786432.0 TO 1572864.0 ± .004	OVER 786432.0 TO 1572864.0 ± .004	OVER 786432.0 TO 1572864.0 ± .004
OVER 1572864.0 TO 3145728.0 ± .004	OVER 1572864.0 TO 3145728.0 ± .004	OVER 1572864.0 TO 3145728.0 ± .004	OVER 1572864.0 TO 3145728.0 ± .004
OVER 3145728.0 TO 6291456.0 ± .004	OVER 3145728.0 TO 6291456.0 ± .004	OVER 3145728.0 TO 6291456.0 ± .004	OVER 3145728.0 TO 6291456.0 ± .004
OVER 6291456.0 TO 12582912.0 ± .004	OVER 6291456.0 TO 12582912.0 ± .004	OVER 6291456.0 TO 12582912.0 ± .004	OVER 6291456.0 TO 12582912.0 ± .004
OVER 12582912.0 TO 25165824.0 ± .004	OVER 12582912.0 TO 25165824.0 ± .004	OVER 12582912.0 TO 25165824.0 ± .004	OVER 12582912.0 TO 25165824.0 ± .004
OVER 25165824.0 TO 50331648.0 ± .004	OVER 25165824.0 TO 50331648.0 ± .004	OVER 25165824.0 TO 50331648.0 ± .004	OVER 25165824.0 TO 50331648.0 ± .004
OVER 50331648.0 TO 100663296.0 ± .004	OVER 50331648.0 TO 100663296.0 ± .004	OVER 50331648.0 TO 100663296.0 ± .004	OVER 50331648.0 TO 100663296.0 ± .004
OVER 100663296.0 TO 201326592.0 ± .004	OVER 100663296.0 TO 201326592.0 ± .004	OVER 100663296.0 TO 201326592.0 ± .004	OVER 100663296.0 TO 201326592.0 ± .004
OVER 201326592.0 TO 402653184.0 ± .004	OVER 201326592.0 TO 402653184.0 ± .004	OVER 201326592.0 TO 402653184.0 ± .004	OVER 201326592.0 TO 402653184.0 ± .004
OVER 402653184.0 TO 805306368.0 ± .004	OVER 402653184.0 TO 805306368.0 ± .004	OVER 402653184.0 TO 805306368.0 ± .004	OVER 402653184.0 TO 805306368.0 ± .004
OVER 805306368.0 TO 1610612736.0 ± .004	OVER 805306368.0 TO 1610612736.0 ± .004	OVER 805306368.0 TO 1610612736.0 ± .004	OVER 805306368.0 TO 1610612736.0 ± .004
OVER 1610612736.0 TO 3221225472.0 ± .004	OVER 1610612736.0 TO 3221225472.0 ± .004	OVER 1610612736.0 TO 3221225472.0 ± .004	OVER 1610612736.0 TO 3221225472.0 ± .004
OVER 3221225472.0 TO 6442450944.0 ± .004	OVER 3221225472.0 TO 6442450944.0 ± .004	OVER 3221225472.0 TO 6442450944.0 ± .004	OVER 3221225472.0 TO 6442450944.0 ± .004
OVER 6442450944.0 TO 12884901888.0 ± .004	OVER 6442450944.0 TO 12884901888.0 ± .004	OVER 6442450944.0 TO 12884901888.0 ± .004	OVER 6442450944.0 TO 12884901888.0 ± .004
OVER 12884901888.0 TO 25769803776.0 ± .004	OVER 12884901888.0 TO 25769803776.0 ± .004	OVER 12884901888.0 TO 25769803776.0 ± .004	OVER 12884901888.0 TO 25769803776.0 ± .004
OVER 25769803776.0 TO 51539607552.0 ± .004	OVER 25769803776.0 TO 51539607552.0 ± .004	OVER 25769803776.0 TO 51539607552.0 ± .004	OVER 25769803776.0 TO 51539607552.0 ± .004
OVER 51539607552.0 TO 103079215104.0 ± .004	OVER 51539607552.0 TO 103079215104.0 ± .004	OVER 51539607552.0 TO 103079215104.0 ± .004	OVER 51539607552.0 TO 103079215104.0 ± .004
OVER 103079215104.0 TO 206158430208.0 ± .004	OVER 103079215104.0 TO 206158430208.0 ± .004	OVER 103079215104.0 TO 206158430208.0 ± .004	OVER 103079215104.0 TO 206158430208.0 ± .004
OVER 206158430208.0 TO 412316860416.0 ± .004	OVER 206158430208.0 TO 412316860416.0 ± .004	OVER 206158430208.0 TO 412316860416.0 ± .004	OVER 206158430208.0 TO 412316860416.0 ± .004
OVER 412316860416.0 TO 824633720832.0 ± .004	OVER 412316860416.0 TO 824633720832.0 ± .004	OVER 412316860416.0 TO 824633720832.0 ± .004	OVER 412316860416.0 TO 824633720832.0 ± .004
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OVER 6597069766656.0 TO 13194139533312.0 ± .004	OVER 6597069766656.0 TO 13194139533312.0 ± .004	OVER 6597069766656.0 TO 13194139533312.0 ± .004	OVER 6597069766656.0 TO 13194139533312.0 ± .004
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OVER 105553116266496.0 TO 211106232532992.0 ± .004	OVER 105553116266496.0 TO 211106232532992.0 ± .004	OVER 105553116266496.0 TO 211106232532992.0 ± .004	OVER 105553116266496.0 TO 211106232532992.0 ± .004
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OVER 422212465065984.0 TO 844424930131968.0 ± .004	OVER 422212465065984.0 TO 844424930131968.0 ± .004	OVER 422212465065984.0 TO 844424930131968.0 ± .004	OVER 422212465065984.0 TO 844424930131968.0 ± .004
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OVER 1688849860263936.0 TO 3377699720527872.0 ± .004	OVER 1688849860263936.0 TO 3377699720527872.0 ± .004	OVER 1688849860263936.0 TO 3377699720527872.0 ± .004	OVER 1688849860263936.0 TO 3377699720527872.0 ± .004
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OVER 6755399441055744.0 TO 13510798882111488.0 ± .004	OVER 6755399441055744.0 TO 13510798882111488.0 ± .004	OVER 6755399441055744.0 TO 13510798882111488.0 ± .004	OVER 6755399441055744.0 TO 13510798882111488.0 ± .004
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OVER 27021597764222976.0 TO 54043195528445952.0 ± .004	OVER 27021597764222976.0 TO 54043195528445952.0 ± .004	OVER 27021597764222976.0 TO 54043195528445952.0 ± .004	OVER 27021597764222976.0 TO 54043195528445952.0 ± .004
OVER 54043195528445952.0 TO 108086391056891904.0 ± .004	OVER 54043195528445952.0 TO 108086391056891904.0 ± .004	OVER 54043195528445952.0 TO 108086391056891904.0 ± .004	OVER 54043195528445952.0 TO 108086391056891904.0 ± .004
OVER 108086391056891904.0 TO 216172782113783808.0 ± .004	OVER 108086391056891904.0 TO 216172782113783808.0 ± .004	OVER 108086391056891904.0 TO 216172782113783808.0 ± .004	OVER 108086391056891904.0 TO 216172782113783808.0 ± .004
OVER 216172782113783808.0 TO 432345564227567616.0 ± .004	OVER 216172782113783808.0 TO 432345564227567616.0 ± .004	OVER 216172782113783808.0 TO 432345564227567616.0 ± .004	OVER 216172782113783808.0 TO 432345564227567616.0 ± .004
OVER 432345564227567616.0 TO 864691128455135232.0 ± .004	OVER 432345564227567616.0 TO 864691128455135232.0 ± .004	OVER 432345564227567616.0 TO 864691128455135232.0 ± .004	OVER 432345564227567616.0 TO 864691128455135232.0 ± .004
OVER 864691128455135232.0 TO 1729382256910270464.0 ± .004	OVER 864691128455135232.0 TO 1729382256910270464.0 ± .004	OVER 864691128455135232.0 TO 1729382256910270464.0 ± .004	OVER 864691128455135232.0 TO 1729382256910270464.0 ± .004
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OVER 3458764513820540928.0 TO 6917529027641081856.0 ± .004	OVER 3458764513820540928.0 TO 6917529027641081856.0 ± .004	OVER 3458764513820540928.0 TO 6917529027641081856.0 ± .004	OVER 3458764513820540928.0 TO 6917529027641081856.0 ± .004
OVER 6917529027641081856.0 TO 13835058055282163712.0 ± .004	OVER 6917529027641081856.0 TO 13835058055282163712.0 ± .004	OVER 6917529027641081856.0 TO 13835058055282163712.0 ± .004	OVER 6917529027641081856.0 TO 13835058055282163712.0 ± .004
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OVER 27670116110564327424.0 TO 55340232221128654848.0 ± .004	OVER 27670116110564327424.0 TO 55340232221128654848.0 ± .004	OVER 27670116110564327424.0 TO 55340232221128654848.0 ± .004	OVER 27670116110564327424.0 TO 55340232221128654848.0 ± .004
OVER 55340232221128654848.0 TO 110680464442257309696.0 ± .004	OVER 55340232221128654848.0 TO 110680464442257309696.0 ± .004	OVER 55340232221128654848.0 TO 110680464442257309696.0 ± .004	OVER 55340232221128654848.0 TO 110680464442257309696.0 ± .004
OVER 110680464442257309696.0 TO 221360928884514619392.0 ± .004	OVER 110680464442257309696.0 TO 221360928884514619392.0 ± .004	OVER 110680464442257309696.0 TO 221360928884514619392.0 ± .004	OVER 110680464442257309696.0 TO 221360928884514619392.0 ± .004
OVER 221360928884514619392.0 TO 442721857769029238784.0 ± .004	OVER 221360928884514619392.0 TO 442721857769029238784.0 ± .004	OVER 221360928884514619392.0 TO 442721857769029238784.0 ± .004	OVER 221360928884514619392.0 TO 442721857769029238784.0 ± .004
OVER 442721857769029238784.0 TO 885443715538058477568.0 ± .004	OVER 442721857769029238784.0 TO 885443715538058477568.0 ± .004	OVER 442721857769029238784.0 TO 885443715538058477568.0 ± .004	OVER 442721857769029238784.0 TO 885443715538058477568.0 ± .004
OVER 885443715538058477568.0 TO 1770887431076116955136.0 ± .			

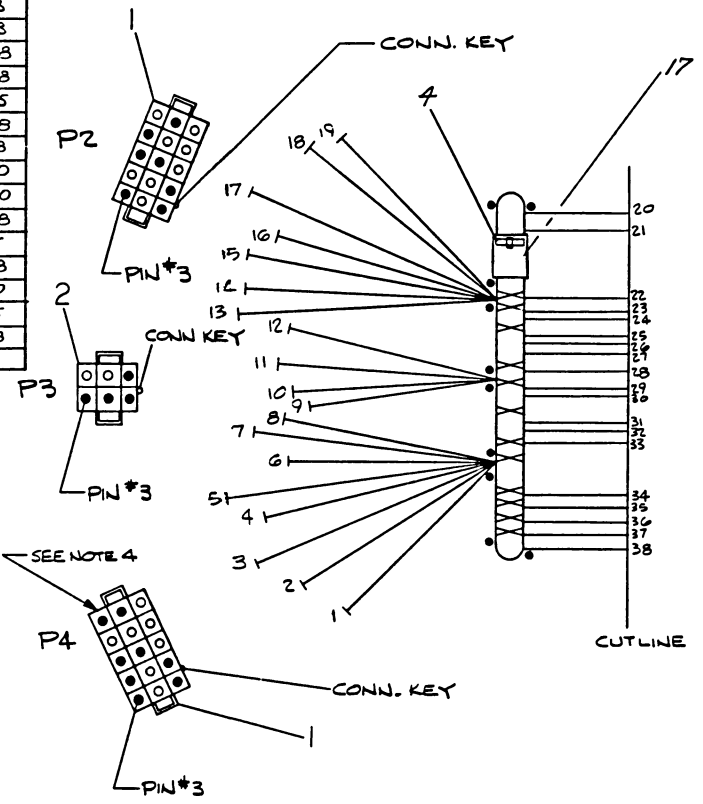
LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION		
					00	01	02
1	1	E-UA-5414218-0-0	5414218-00	SLV INTERFACE	1	0	0
2	2	E-UA-5414218-0-0	5414218-01	EIA SERIAL LINE INTERFACE	0	1	1
3	3	D-MD-7424022-0-0	7424022-00	BRKT, MTG SLU	1	1	1
4	4	A-PS-1217431-0-0	1217431-02	CONN,D SUB 25PIN ASSY STRAIGHT W	2	1	2
5	5	A-PS-1217431-0-0	1217431-00	CONN,D SUB 25PIN ASSY STRAIGHT W	1	0	0
6	6	B-IA-7424023-0-0	7424023-00	CONNECTOR, COVER SLU	0	2	1
7	7		9006862-00	SPACER, HEX, THD'D, ALUM, 6-32X1	4	4	4
8	8		9009546-00	SCREW, PAN, PHIL, SEMS 4-40X .375L	0	4	2
9	9		9006707-00	WASHER, NYLON, FLAT #6 .312 OD	8	8	8
10	10		9010174-00	SCREW, PAN, PHIL, SEMS 6-32X .25 L	8	8	8
11	11		9008451-01	SCREW LOCK, STANDOFF ONLY	6	2	4
12	12		9009255-00	LABEL, POWER SUPPLY, 2-15/16 " L	1	1	1
13	13		9006655-00	WASHER, FLAT, .312 O.D. X .125 I	6	2	4

REVISION HISTORY			BASIC PART NO: 7017466		DRN: A. COLON		DATE: 29-APR-80		D I G I T A L			
ENG	ECO NUMBER	REV	SECTION A OF A		CHK'D: R.J. RILEY		DATE: 29-APR-80		TITLE PARTS LIST			
--- INITIAL		XO-2	SECTION. VARIATION INDEX						SLU ASSEMBLY			
--- INITIAL		*	[A] 00,01,02									
R G 7017466-TW001		A			DES.ENG.: P. BARTH		DATE: 29-APR-80					
			[B]									
			[C]									
			[D]		RESP.ENG.: D. CARLSON		DATE: 29-APR-80		DOCUMENT NUMBER			
			[E]									
			[F]		MFG.ENG.: G. ABREU		DATE: 29-APR-80		K PL 7017466-0-DBP A			
					ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME: EDIT #			
					D-AD-7017466-0-0		D-AD-7017466-0-0		Z1175A.PLS 8			
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WIRING TABLE

ITEM NR.	DESCRIPTION		FROM			TO		SIGNAL	LENGTH
	AWG	COLOR	POINT	CONNECTION	WITH	POINT	CONNECTION		
9	#18	BLUE	1	P4-14	3	20	SOLDER	-15A	7.00
5	14	RED	2	P4-4		32		+5V	4.88
5	14	RED	3	P4-1		31		+5V	4.88
6	14	BLK	4	P4-8		25		GND	5.43
6	14	BLK	6	P4-9		26		GND	5.43
13	18	WHT	7	P4-6		27		+15B	5.43
14	18	GRN	8	P4-15		28		-15B	5.38
12	18	YEL	9	P3-4		37		AC	6.38
6	14	BLK	10	P3-1		22		GND	5.75
10	18	BRN	11	P3-2		36		LTC	5.88
11	18	VIO	12	P3-3		38		DC	6.38
5	14	RED	13	P2-4		29		+5V	5.50
5	14	RED	14	P2-1		30		+5V	5.50
9	18	BLUE	15	P2-14		35		-15C	5.38
6	14	BLK	16	P2-8		23		GND	4.75
8	18	GRAY	17	P2-3		21		+15A	5.38
7	14	GRAY	5	P4-3		34		+15C	5.00
6	14	BLK	18	P2-9		24		GND	4.75
16	18	RED/WHT	19	P2-12	3	33	SOLDER	+5B	6.88



DO NOT REDUCE
SCALE
FOR MANUFACTURING PURPOSES ONLY

0 IN. 12 IN.

NOTES:

1. USE TIE WRAPS (X) ITEM #4 AT BREAKOUT POINTS SHOWN
2. DOT (•) INDICATES NAIL LOCATION FOR ASS'Y USE ONLY. COVER NAILS WITH SHRINK TUBING TO PREVENT CUTTING HARNESS.
3. WIRE LENGTH TOL. WILL BE $\pm 1/8$ - 0 IN.
4. ALL CONN. SHOWN FROM WIRING SIDE.
5. HARNESS TO BE IDENTIFIED WITH PART NO. AND REV. LEVEL AFTER FAB. (ITEM 17)
6. ITEM #3 CAN BE SUBSTITUTED BY P/N 12-09378-00 FOR MACHINE CRIMPING.

FOR WIRE LENGTHS
SEE WIRING TABLE

1	TABLE CABLE ID	90-09532-6	17
A/R	WIRE #18 AWG, RED/VH	9107910-29	16
1	POWER HARNESS DECALS	7409872-02	15
A/R	WIRE #18 AWG, GRN	9107360-55	14
A/R	WIRE #18 AWG, WHT	9107360-99	13
A/R	WIRE #18 AWG, YEL	9107360-44	12
A/R	WIRE #18 AWG, VIO	9107360-77	11
A/R	WIRE #18 AWG, BRN	9107360-11	10
A/R	WIRE #18 AWG, BLUE	9107360-66	9
A/R	WIRE #18 AWG, GRAY	9107360-88	8
A/R	WIRE #14 AWG, GRAY	9107370-88	7
A/R	WIRE #14 AWG, BLK	9107370-00	6
A/R	WIRE #14 AWG, RED	9107370-22	5
14	TIE WRAP	9007031	4
19	PIN, MALE	1209378-01	3
1	CONN. 6 PIN HOUSING	1209351-06	2
2	CONN. 15 PIN HOUSING	1209351-15	1

QUANTITY & VARIATION		DESCRIPTION		DWG./PART NO.		ITEM NO.	
THIRD ANGLE PROJECTION 		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		CLASS OF ACCURACY (CHECK ONE)		NOMINAL DIMENSION RANGE INCHES	
REMOVE BURRS AND BREAK SHARP CORNERS		SURFACE QUALITY IN		MEDIUM		PREFERRED	
DO NOT SCALE DWG		MICROINCHES		0.004		0.008	
MATERIAL SEE PARTS LIST		NEXT HIGHER ASSY.		0.012		0.016	
FINISH		D-AD-7016405-0-0		0.020		0.025	
SCALE 1/1		SIZE CODE		D		IA	
SHEET 1 OF 1		NUMBER		7016961-0-0		REV. 8	
		DIST					

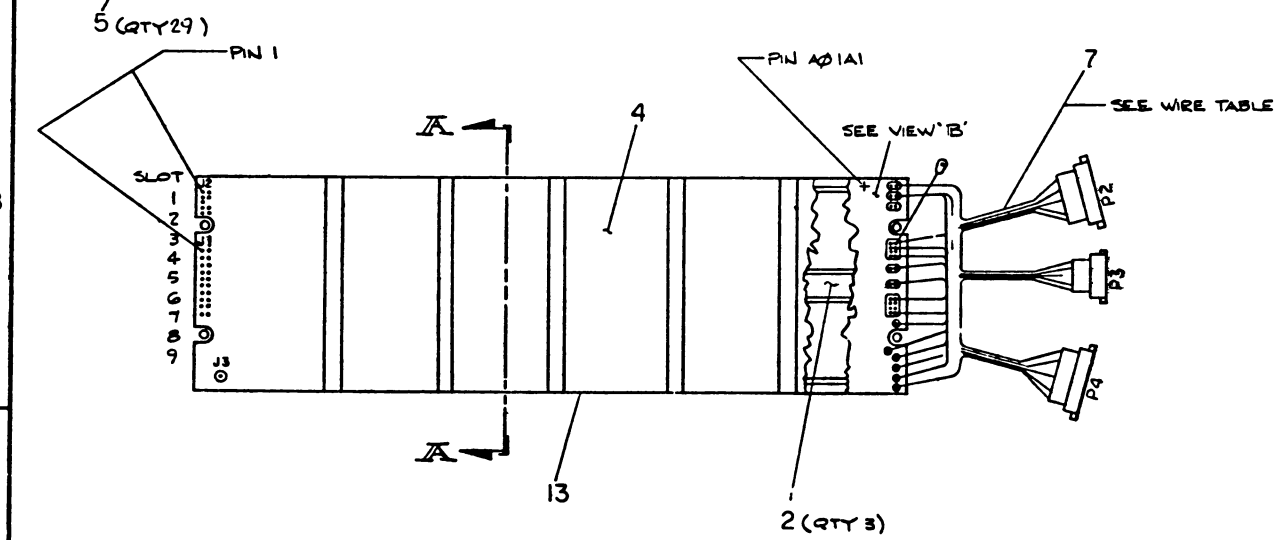
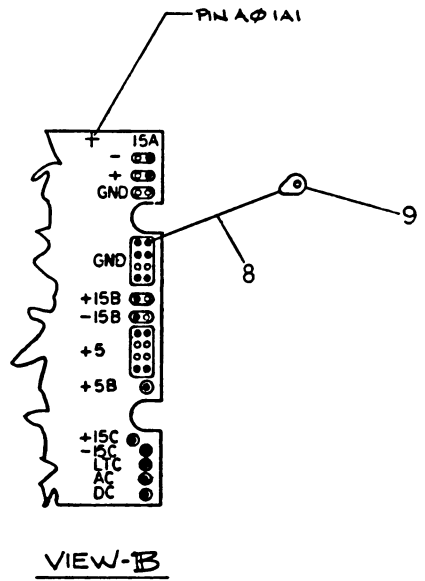
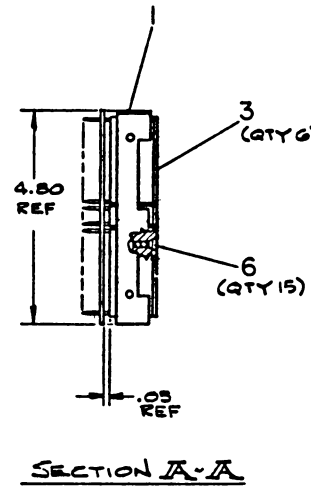
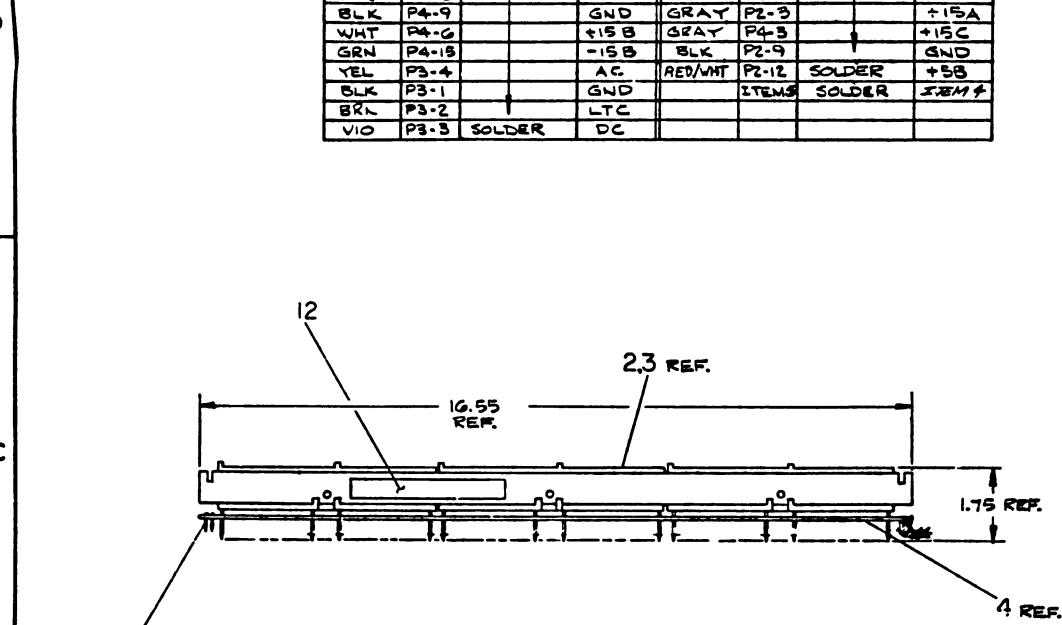
TW

D
C
B
A

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WIRE TABLE							
FROM				TO			
COLOR	POINT	CONNECTION	SIGNAL	COLOR	POINT	CONNECTION	SIGNAL
BLUE	P4-14	SOLDER	-15A	RED	P2-4	SOLDER	+5V
RED	P4-4		+5V	RED	P2-1		+5V
RED	P4-1		+5V	BLUE	P2-14		-15C
BLK	P4-8		GND	BLK	P2-8		GND
BLK	P4-9		GND	GRAY	P2-3		+15A
WHT	P4-6		+15B	GRAY	P4-3		+15C
GRN	P4-18		-15B	BLK	P2-9		GND
YEL	P3-4		AC	RED/WHT	P2-12	SOLDER	+5B
BLK	P3-1		GND	ITEMS	SOLDER		ITEMS
BRN	P3-2		LTC				
VIO	P3-3	SOLDER	DC				

NOTES:
1. PRIOR TO ASSEMBLING ETCH CKT BD (ITEM#4) TO PINS ON BACK PLANE, INSERT PINS DESIGNATED BY ASTERISK (*) ITEM#5.



CAUTION: OFF SHEET PARTS LIST
REFER TO K-PL-7016905-0-DBP

DESCRIPTION	DRAWING NO.	PART NO.	ITEM NO.
REF. WIRE - ST	A-W-7016905-0-2		15
REF. WIRE - ST	K-PL-7016905-0-1		14
REF. CIRCUIT SCHEMATIC	D-CS-2413917-0-1		13
1 LABEL, AWG REV STATUS	A-DC-7016905-0-0		12
2 WIRE #20 AWG (YEL)		701743-44	11
2 WIRE #30 GRAY/VIO TW/PE		9107773-87	10
1 TERMINAL, SOLDER		9008150	9
2 WIRE, BLK STRD #14		9107370-00	8
1 POWER HARNESS	D-IA-7016906-0-0	7016906-00	7
15 SCR FL HD #8-32 x .62 LONG		9006120-0	6
29 PIN, STAKING P.C. BD		9009149	5
1 ETCH CIRCUIT BOARD	D-UA-5013016-0-0	5013016-00	4
6 BLOCK, CONN. 288 PIN		1210258-01	3
3 BLOCK, CONN. 72 PIN		1211425-02	2
1 FRAME, LOGIC		1211439-00	1

REV.	BY	DATE
1	RAY CRUDA	11/24/80
2	RAY CRUDA	11/24/80
3	RAY CRUDA	11/24/80
4	RAY CRUDA	11/24/80
5	RAY CRUDA	11/24/80
6	RAY CRUDA	11/24/80
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8	RAY CRUDA	11/24/80

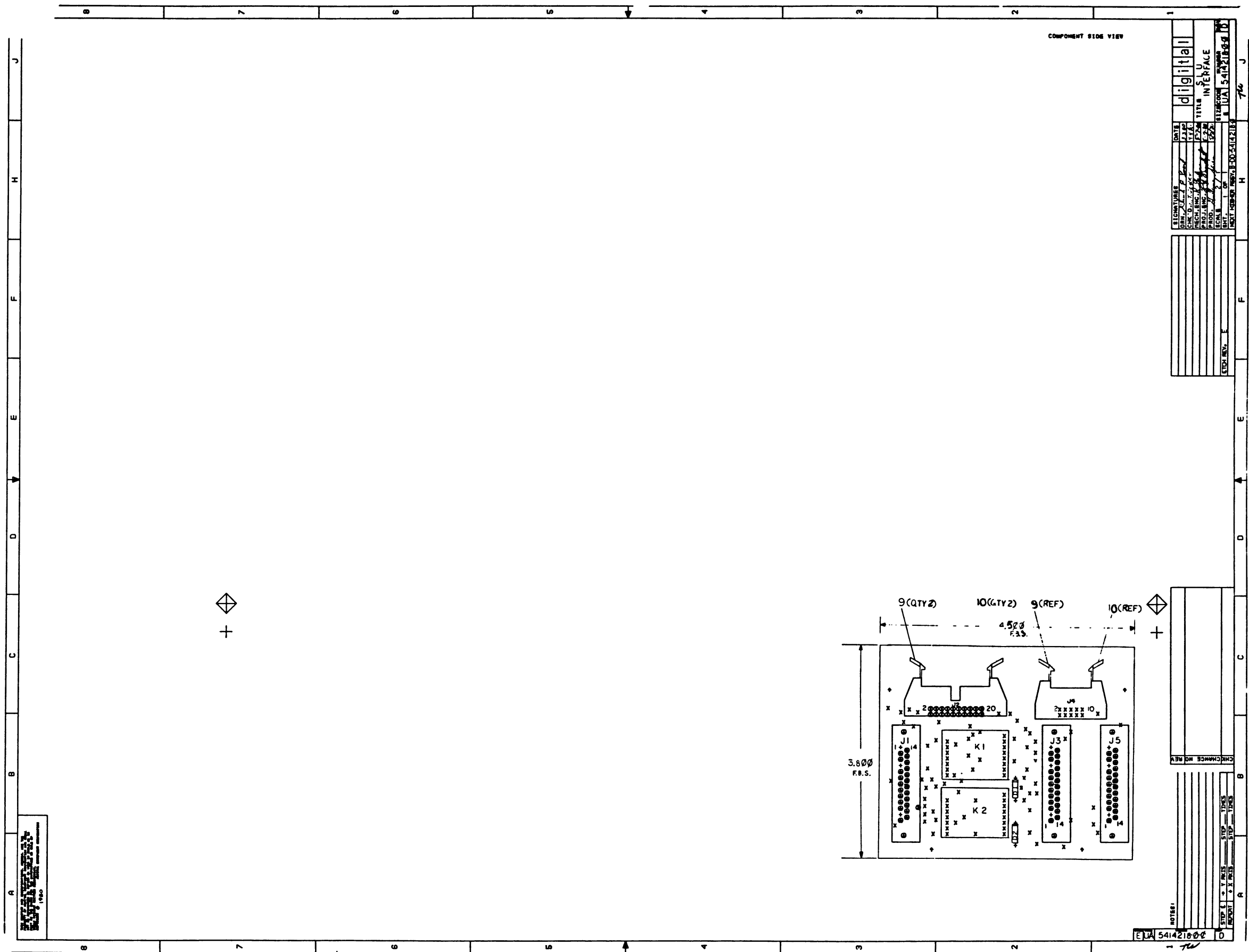
QUANTITY & VARIATION	THIRD ANGLE PROJECTION	DATE	15 JAN 80	TITLE	11/24 digital
DO NOT SCALE DRAWING	REMOVE BURRS AND BREAK SHARP CORNERS	DATE	5-1-80	BACKPLANE ASS'Y	
MATERIAL	SEE PARTS LIST	DATE	4-30-80	DOCUMENT NUMBER	
FINISH		DATE	5-5-80	DRAWING NO.	DAD7016905-0-0
		DATE	5-5-80	SCALE	NONE

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY	PFR VARIATION
					00	
1	1		1211439-00	CASTING, LOGIC FRAME FOR 1105	1	
2	2		1211425-02	CONN,CARD 72PIN SLOTTED OPEN EN	3	
3	3		1210258-01	CONN,CARD 288PIN SLOTTED OPEN EN	6	
4	4	D-UA-5013816-0-0	5013816-00	11/24 BACK PLANE	1	
5	5		9009149-00	PIN, STAKING, P.C. BOARD, .025 X	29	
6	6		9006120-00	SCREW, POZIDRIVE FILLISTER HD SW	15	
7	7	D-IA-7016901-0-0	7016901-00	POWER HAPNESS (11/24)	1	
8	8	SEE NOTE 1	9107370-00	WIRE,STRND,14AWG,IPVC UL1534	2	
9	9		9008150-00	TERM LUG 1POS LOCKING,SOLDER	1	
10	10		9107773-87	WIRE(WRAP)30AWG,TWP (UL1558)	A/R	
11	11		9105740-44	WIPE(WRAP)30AWG UL1423	A/R	
12	12	A-DC-7411801-0-0	7411801-00	DECAL BACKPLANE REV STATUS	1	
13	13	BLANK			0	
14	14	K-WL-7016905-0-1		WIRE LIST	REF	
15	15	A-WT-7016905-0-2		AWT REV STATUS	REF	

16 NOTE: NOTE 1: ITEM 8 LENGTH IS IN INCHES

REVISION HISTORY			BASIC PART NO: 7016905			DRN: H. DARAKJIAN			DATE: 28-APR-81			D I G I T A L		
ENG	ECO NUMBER	REV	SECTION A OF A											
INITIAL			SECTION, VARIATION INDEX			CHK'D: W. FISHER			DATE: 28-APR-81			TITLE PARTS LIST		
RG	7016905-TW001	1A	[A] 00									11/24 BACKPLANE ASSY		
WB	11/24-TW01A	1B				DES.ENG.: R. GRUDA			DATE: 28-APR-81					
			[B]											
			[C]									DOCUMENT NUMBER		
			[D]			RESP.ENG.: R. GRUDA			DATE: 28-APR-81			STZFCODE: NUMBER REV		
			[E]			MFG.ENG.: J. AVILES			DATE: 28-APR-81			K PL 7016905-0-DBP B		
			[F]			ASSMPLY NUMBER:			TOP DOCUMENT NUMBER:			FILE NAME: EDIT #		
						D-AD-7016905-0-0			E-UA-11/24-0-0			Z2443.PLS 7		
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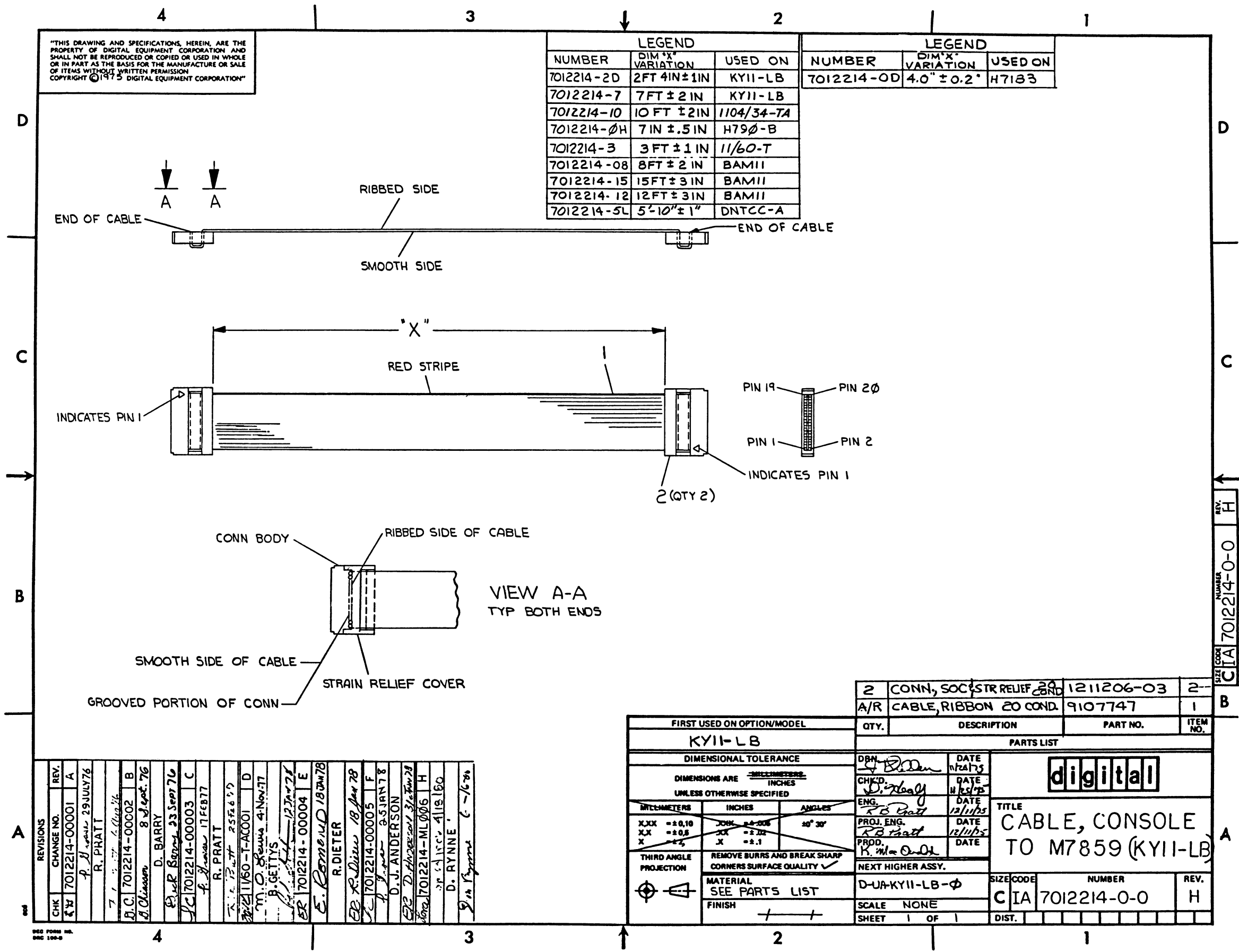
TW



LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION		REFERENCE DESIGNATOR
					00	01	
1	1	F-MD-5014217-0-0	5014217-00	FICH BRD	1	1	
2	2		1216296-02	CONN, D SUB 25PIN	1	0	J1
3	3		1209941-12	HEADER 10POS RT ANGLE	1	1	J4
4	4		1209941-00	HEADER, 100 20POS RT ANGLE	1	1	J2
5	5		1210972-00	RLY, REED, 5V COIL, 4PDT, .25A, 15P	2	0	K1, K2
6	6		1105796-00	IN 4004 PIV=400 I= 1A 0041 SP	2	0	D1, D2
7	7		1217536-01	CONN, D SUB 25PIN PC MIG W/PINS	2	2	J3, J5
8	8		9029185-00	JUMPER, WIPE, INSULATED, BLACK B	0	0	W1-W8
9	9		1209941-03	HEADER RT ANGLE LEFT L	2	2	
10	10		1209941-04	HEADER RT ANGLE, RIGHT	2	2	

REVISION HISTORY		BASIC PART NO: 5414218		DRN: F. SMART		DATE: 3-MAR-80		DIGITAL			
ENG	ECO NUMBER	REV	SECTION A OF A					TITLE PARTS LIST			
---	INITIAL	D	SECTION, VARIATION INDEX	CHK'D: E.T. GERRY		DATE: 3-MAR-80		SLU INTERFACE			
			[A] 00, 01								
			[B]	DES. ENG: R. ROUDROT		DATE: 7-MAY-80					
			[C]					DOCUMENT NUMBER			
			[D]								
			[E]	RESP. ENG.: R. ROUDROT		DATE: 7-MAY-80					
			[F]								
			[H]					SIZE CODE NUMBER REV			
			[J]	MFG. ENG.: G. ABPEU		DATE: 7-MAY-80		K	PL	5414218-0-DBP	D
			[K]								
			[L]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #	
			[M]	E-UA-5414218-0-0		B-DD-5414218-0-0		Z1263D.PLS		18	
			[N]								
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tlw



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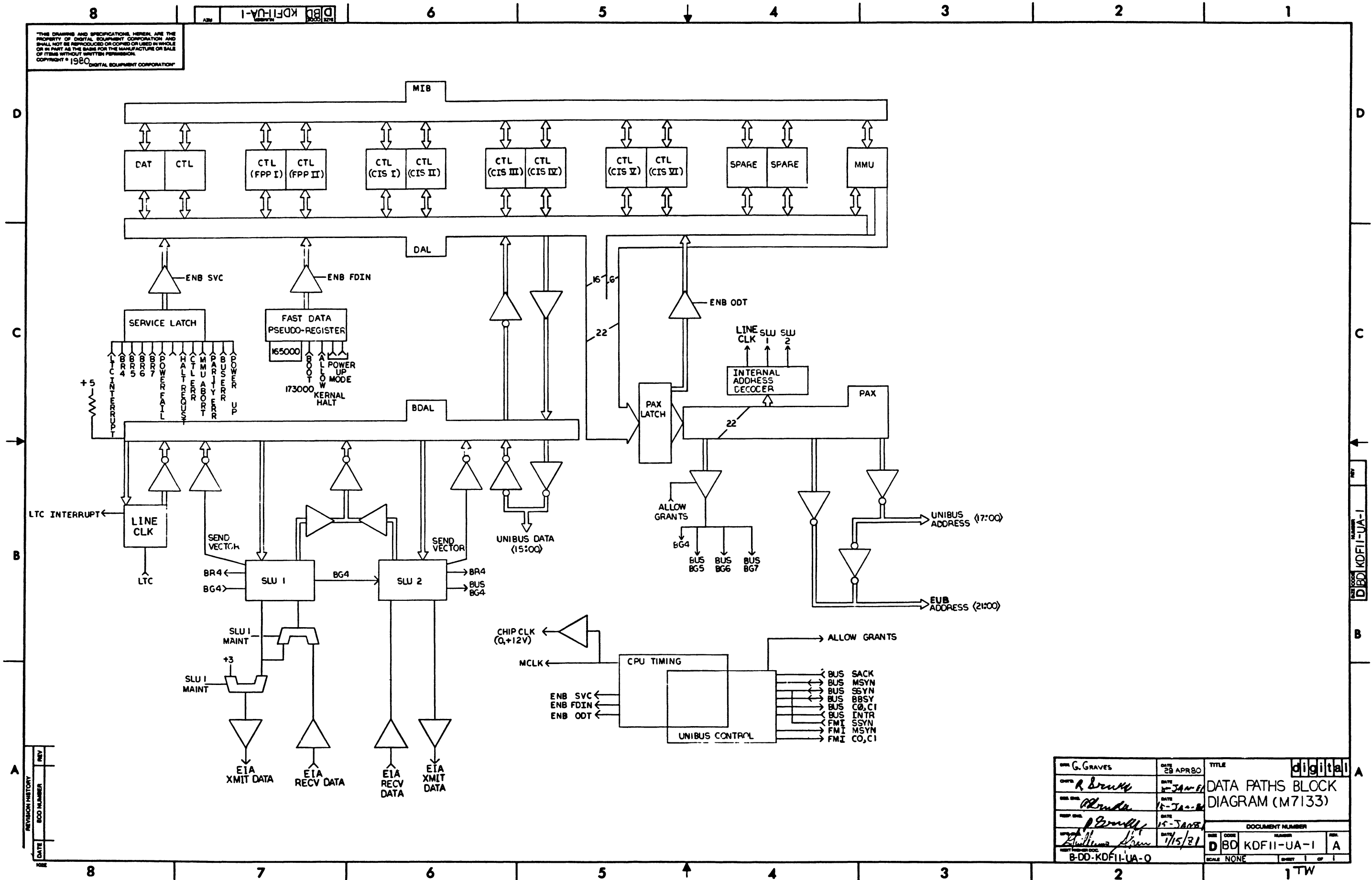
LEGEND		
NUMBER	DIM "X" VARIATION	USED ON
7012214-2D	2FT 4IN ± 1IN	KY11-LB
7012214-7	7FT ± 2 IN	KY11-LB
7012214-10	10 FT ± 2 IN	1104/34-TA
7012214-ØH	7 IN ± .5 IN	H79Ø-B
7012214-3	3 FT ± 1 IN	11/60-T
7012214-08	8 FT ± 2 IN	BAM11
7012214-15	15 FT ± 3 IN	BAM11
7012214-12	12 FT ± 3 IN	BAM11
7012214-5L	5'-10" ± 1"	DNTCC-A

LEGEND		
NUMBER	DIM "X" VARIATION	USED ON
7012214-0D	4.0" ± 0.2"	H71B3

REV. NO.		REV.
1	7012214-00001	A
2	7012214-00002	B
3	7012214-00003	C
4	7012214-00004	E
5	7012214-00005	F
6	7012214-00006	H
7	7012214-00007	I
8	7012214-00008	J
9	7012214-00009	K
10	7012214-00010	L
11	7012214-00011	M
12	7012214-00012	N
13	7012214-00013	O
14	7012214-00014	P
15	7012214-00015	Q
16	7012214-00016	R
17	7012214-00017	S
18	7012214-00018	T
19	7012214-00019	U
20	7012214-00020	V
21	7012214-00021	W
22	7012214-00022	X
23	7012214-00023	Y
24	7012214-00024	Z
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320	7012214-00320	

BLANK

DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES:							
MADE BY DATE		A. ROCHA 11 DECEMBER 80		CHECKED DATE		<i>Ray Gruda</i>		SECTION															
ENG DATE		<i>Ray Gruda</i>		PROD DATE		<i>Ray Gruda</i>		ISSUED SECTION															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	KDF11-UA														REF DESIGNATION					
1.		M7133	CPU MODULE	I																			
2.	B-PL-KDF11-UA-4		SHIPPING LIST	REF																			
E.C.O. NO.																							
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								SHEET 1 OF 1				B	PL	KDF11-UA-0		A							
								INSERTION PARTS LIST DATA BASE REV															



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REFER TO PRINT SET #MP01028

UNIT VARIATIONS

VAR

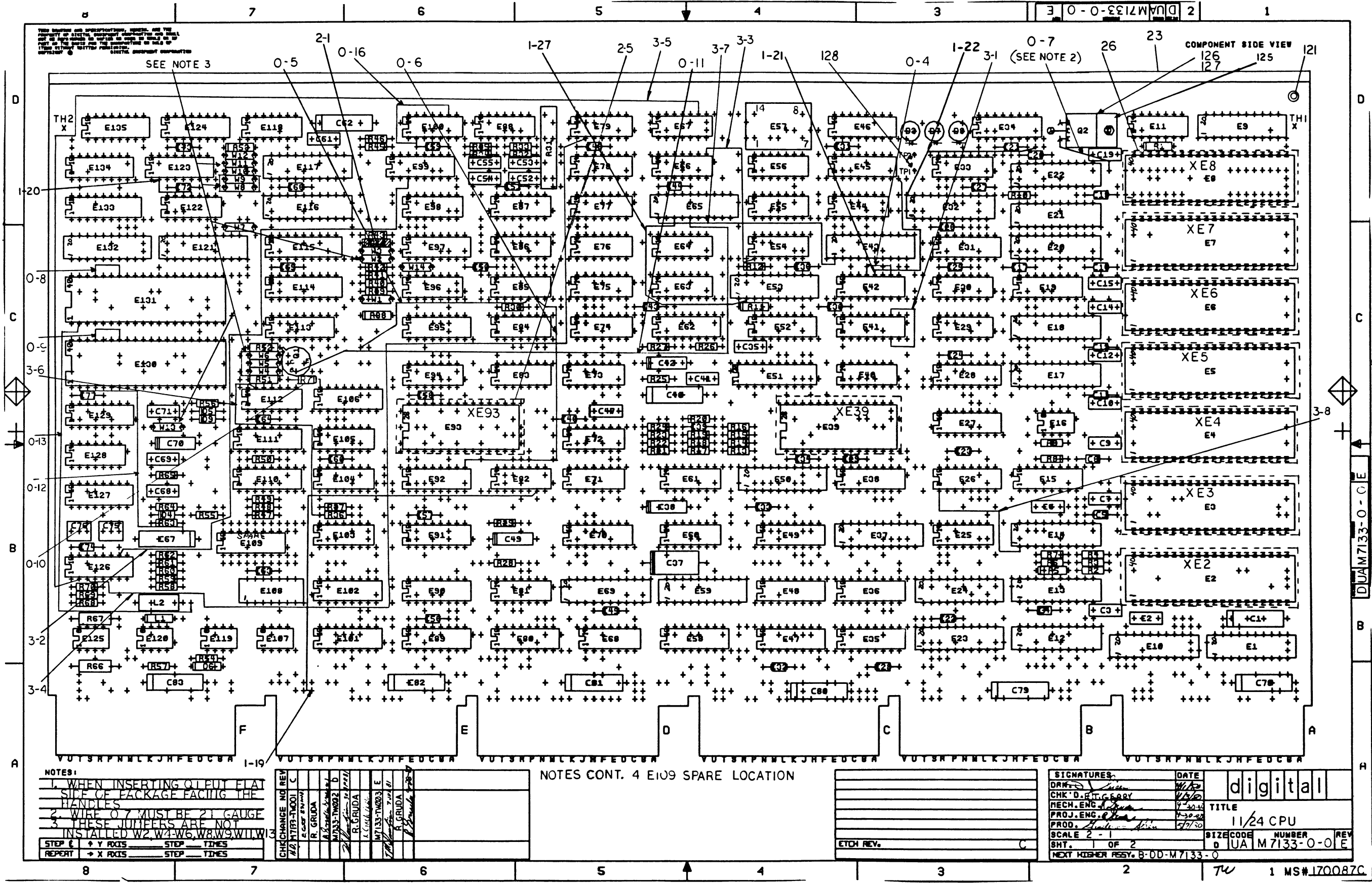
TITLE

KDF11-UA

M7133 CPU MODULE

[illegible]

REVISIONS	REV.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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NOTES:
1. WHEN INSERTING OUTPUT FLAT
SIDE OF PACKAGE FACING THE
HANDLES
2. WIRE 0-7 MUST BE 21 GAUGE
3. THESE JUMPEERS ARE NOT
INSTALLED W2, W4, W6, W8, W9, W11, W13

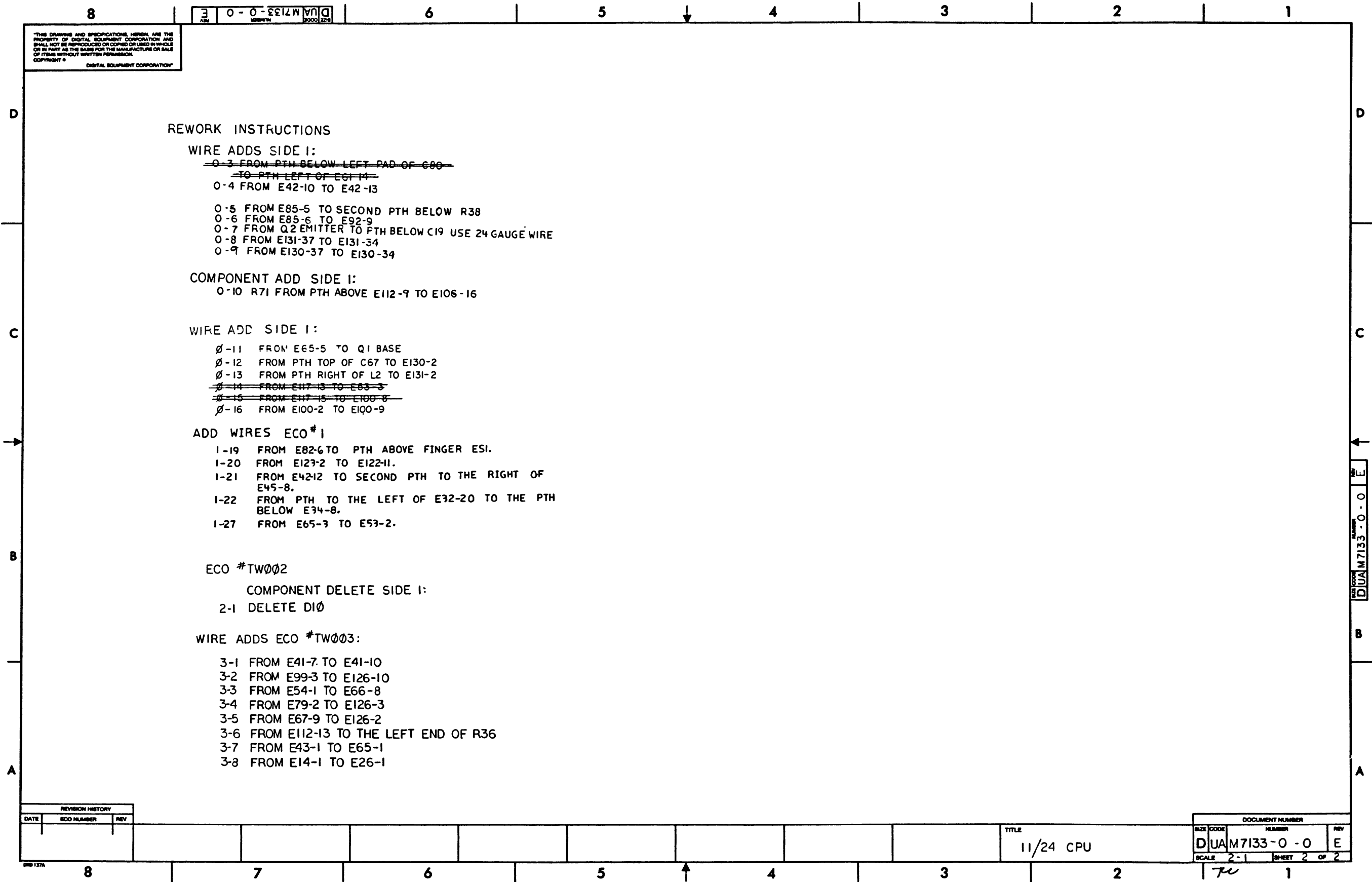
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8	8	8	8	8

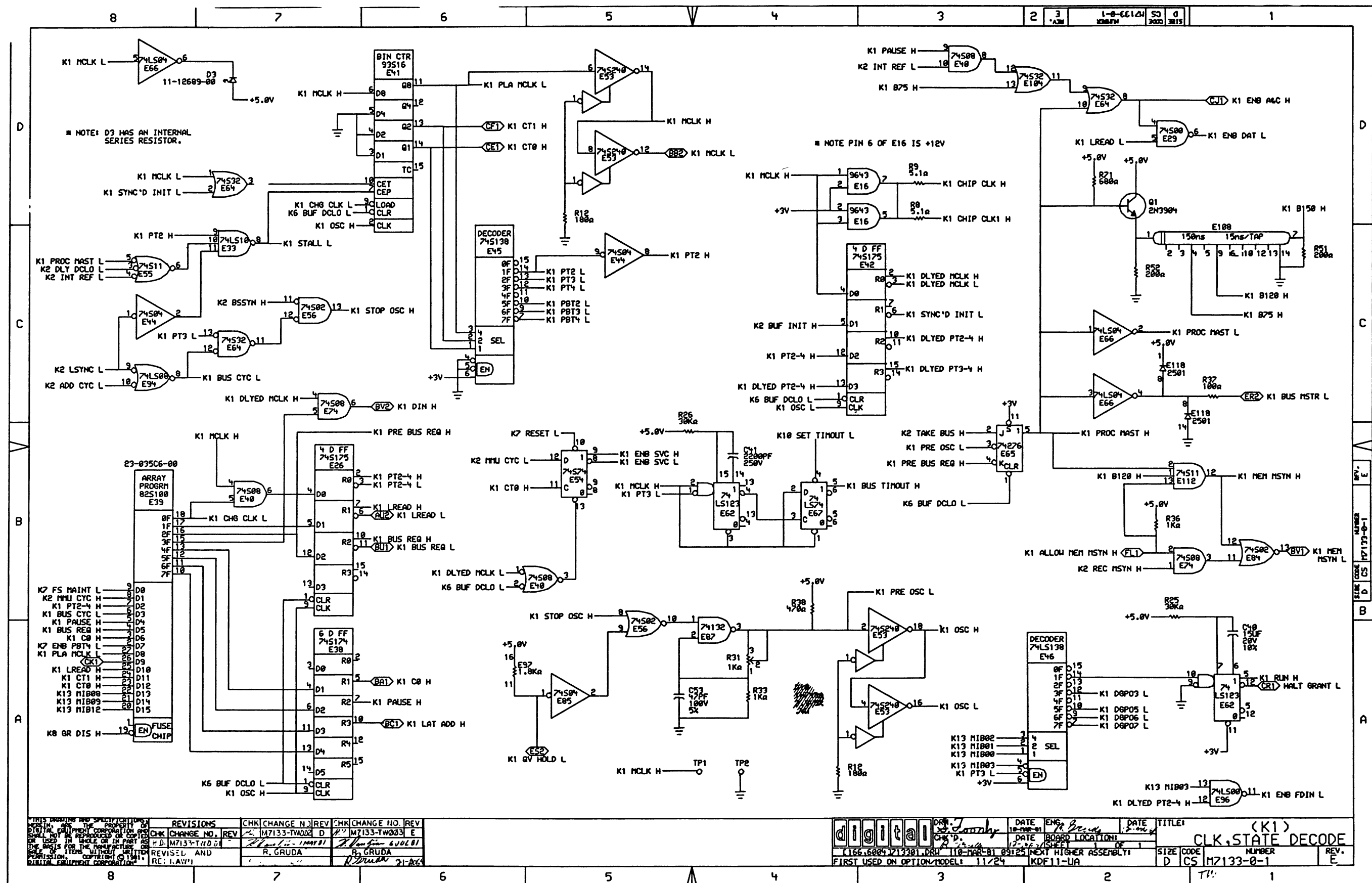
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4	4	1/1/73	4	4	1/1/73	4	4
5	5	1/1/73	5	5	1/1/73	5	5
6	6	1/1/73	6	6	1/1/73	6	6
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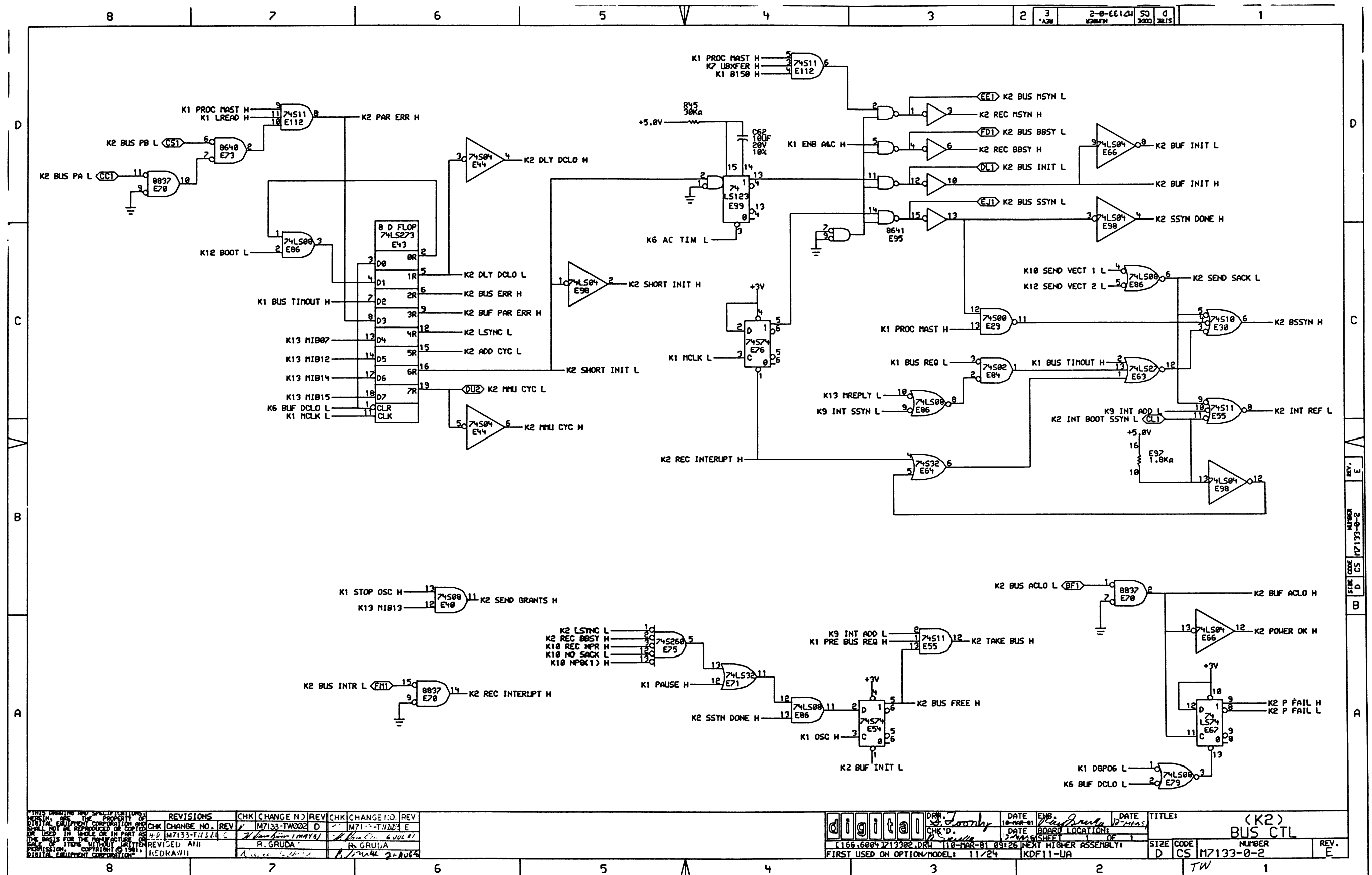
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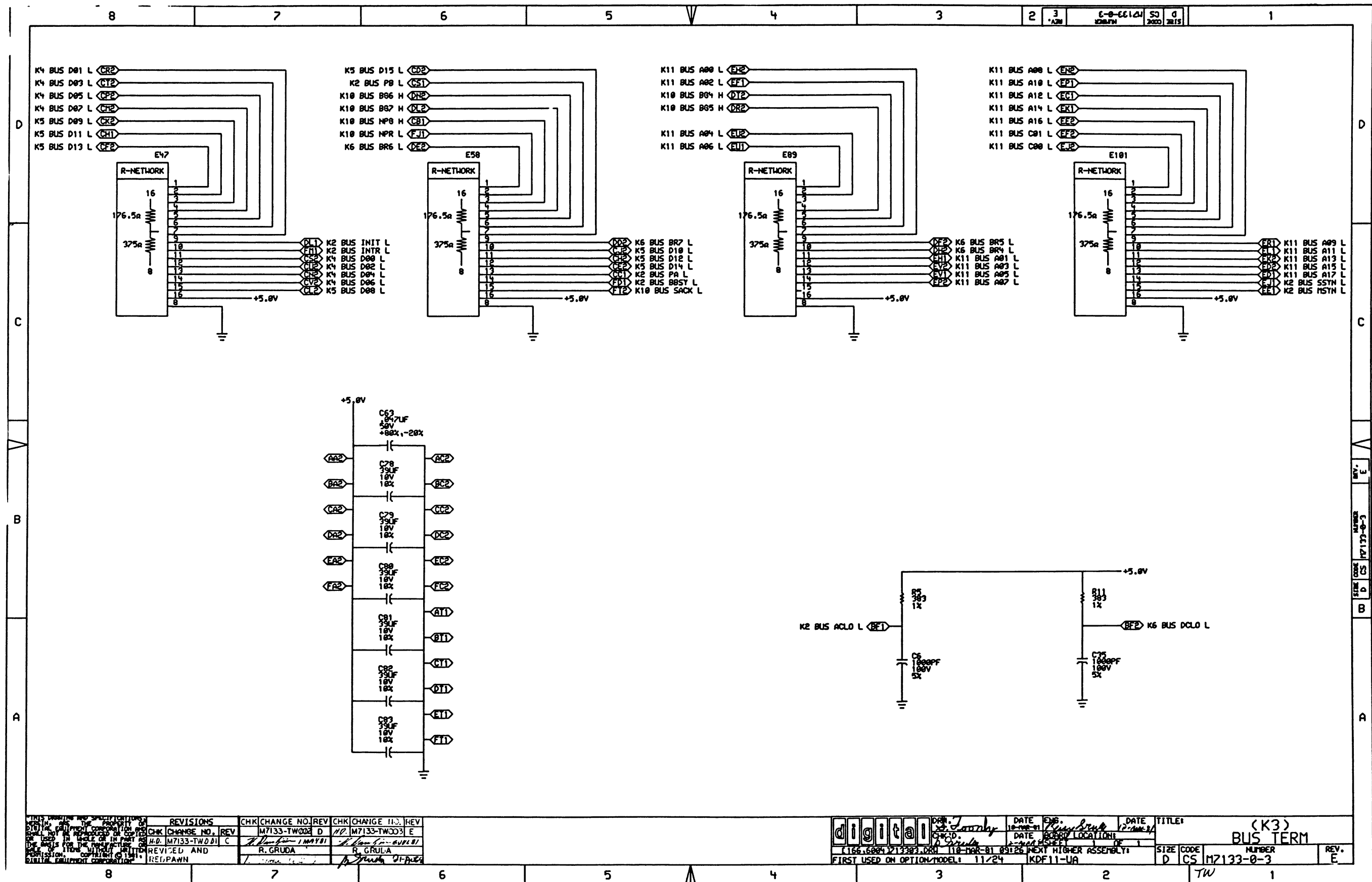
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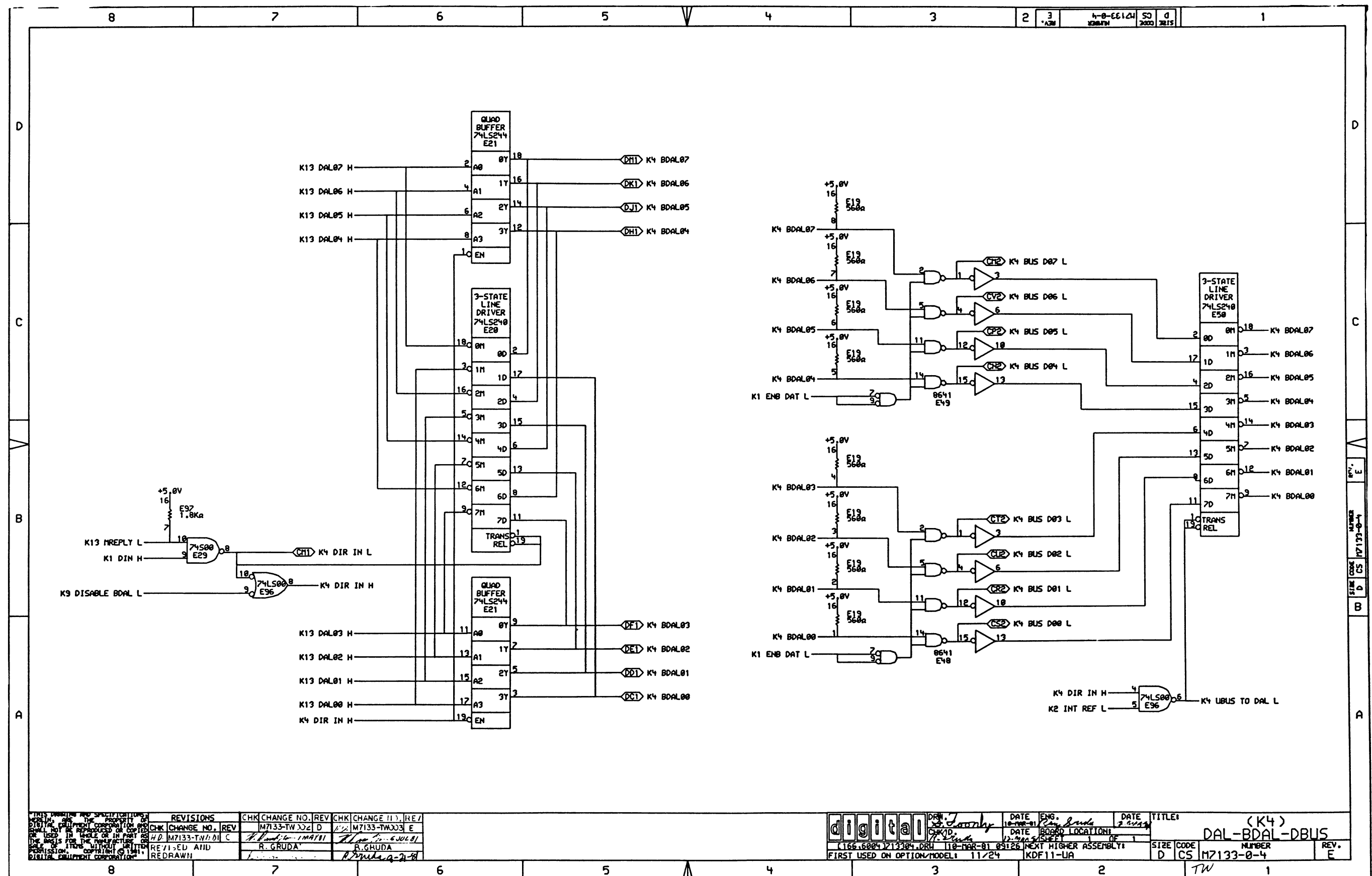
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CHK'D. BY: GARY	DATE	1/1/73
MECH. ENG. BY: GARY	DATE	1/1/73
PROJ. ENG. BY: GARY	DATE	1/1/73
PROD. BY: GARY	DATE	1/1/73
SCALE 2 - 1	TITLE	11/24 CPU
SHT. 1 OF 2	SIZE CODE	0 UA M7133-0-0 E
NEXT HIGHER ASSY: B-DD-M7133-0	NUMBER	1 MS#170087C
REV	REV	REV

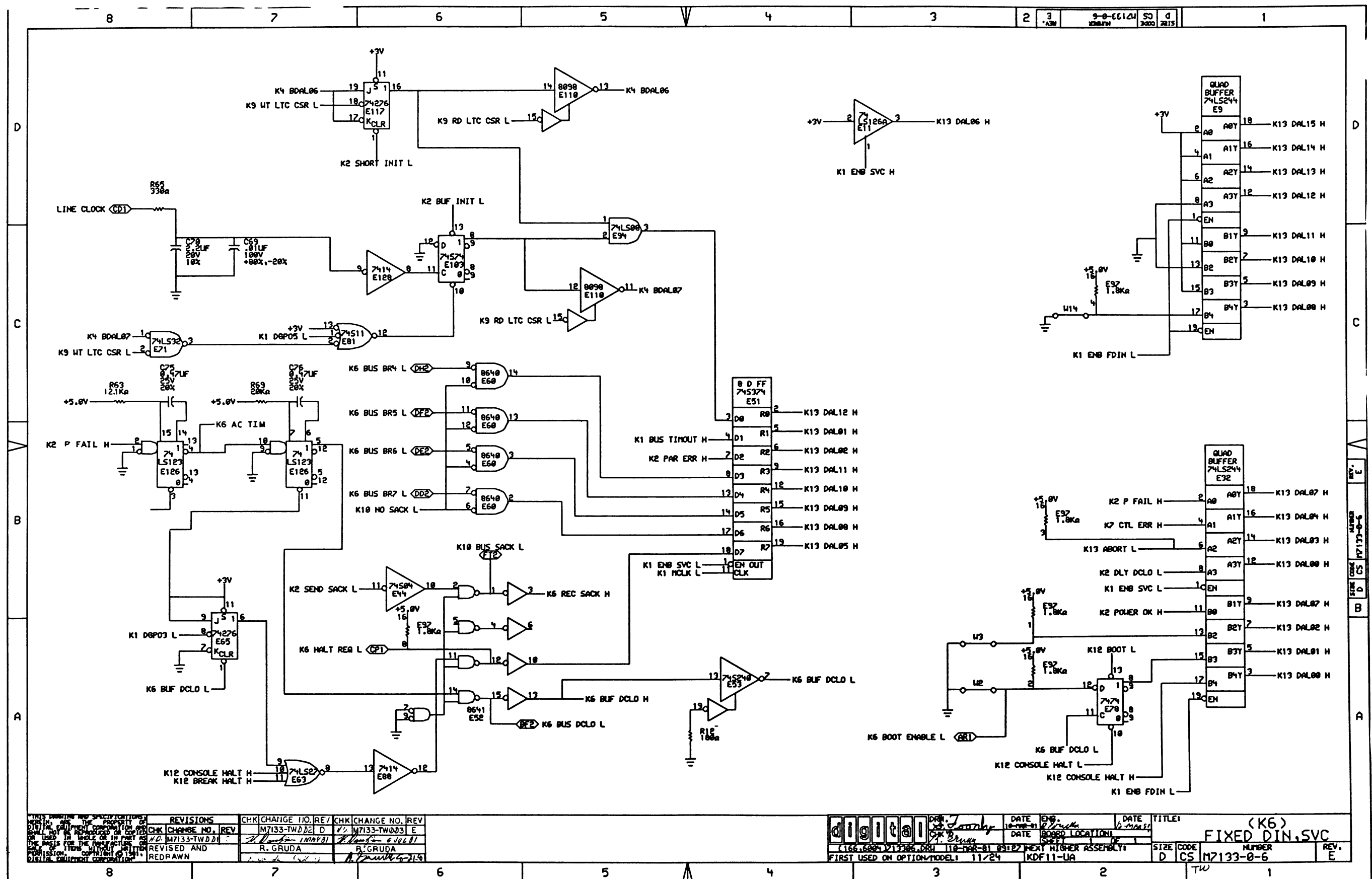


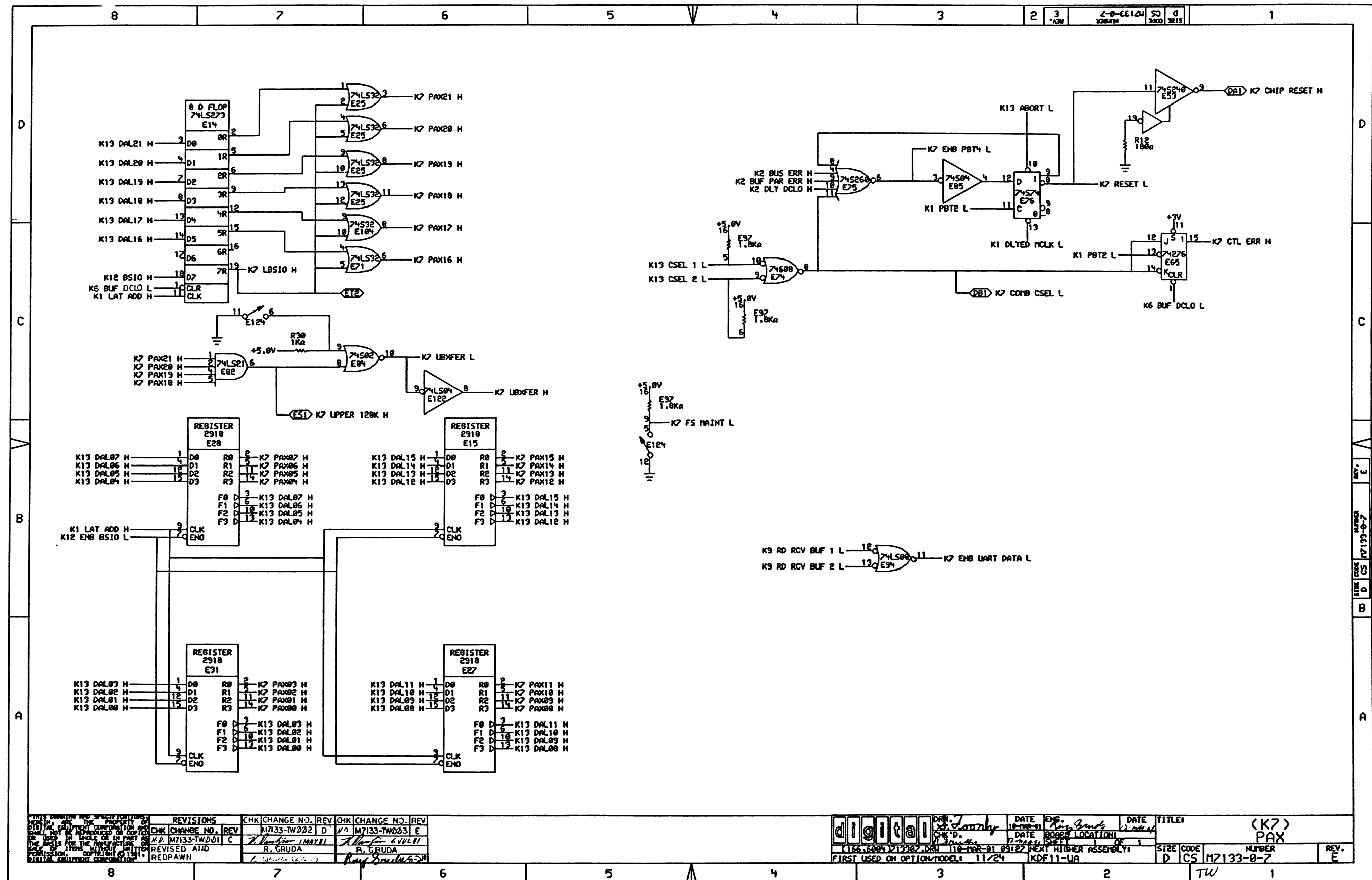


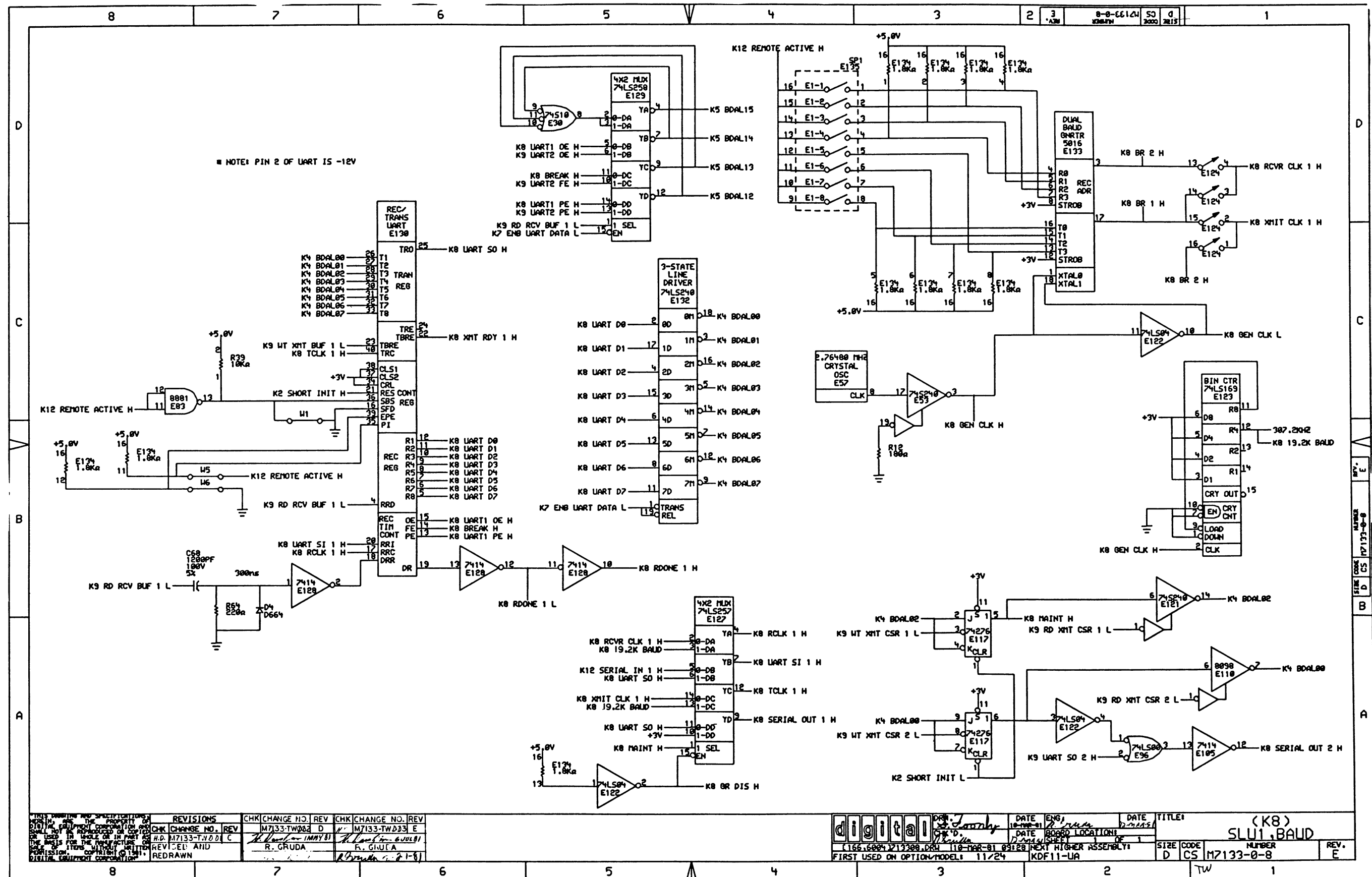


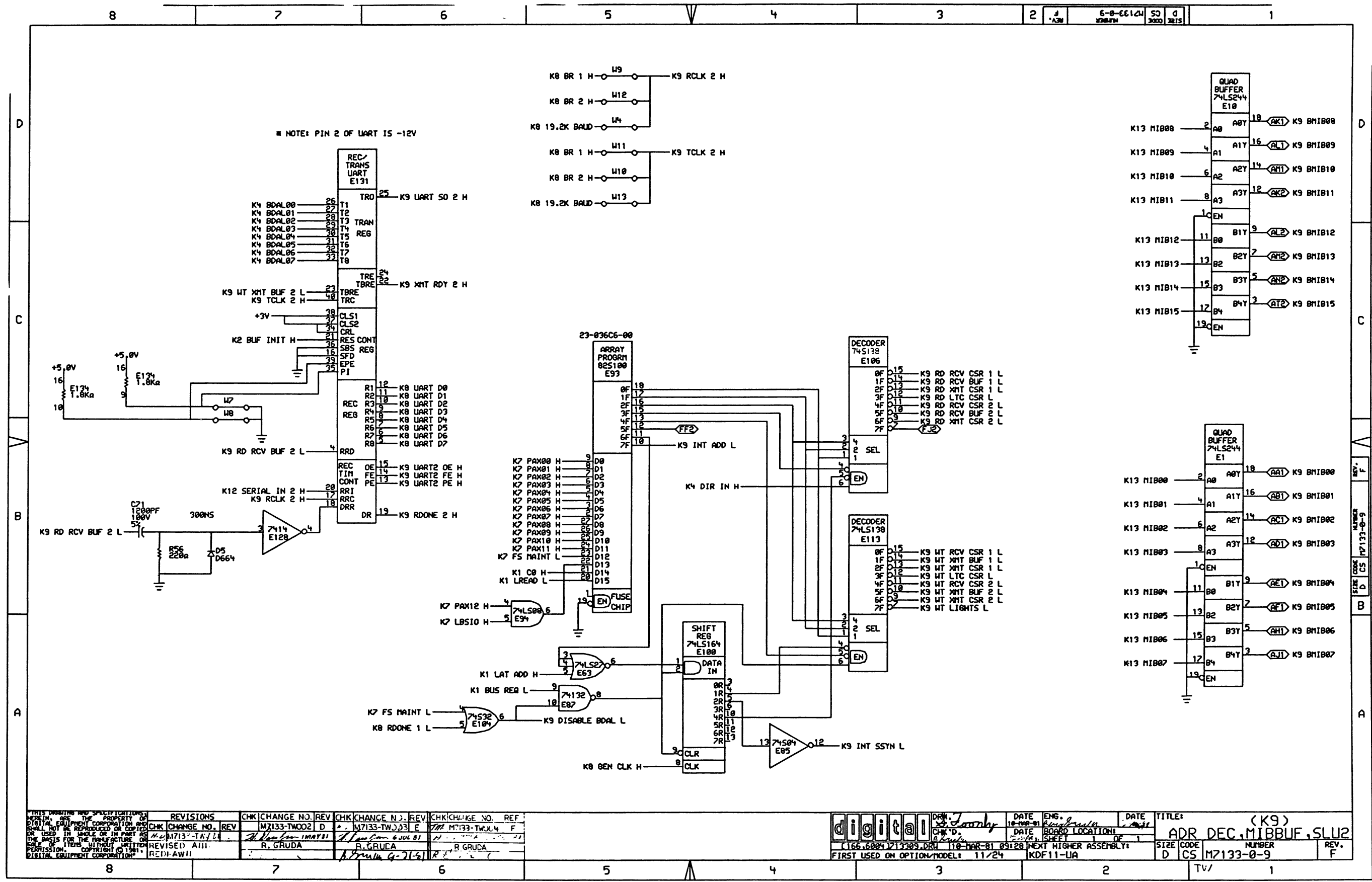






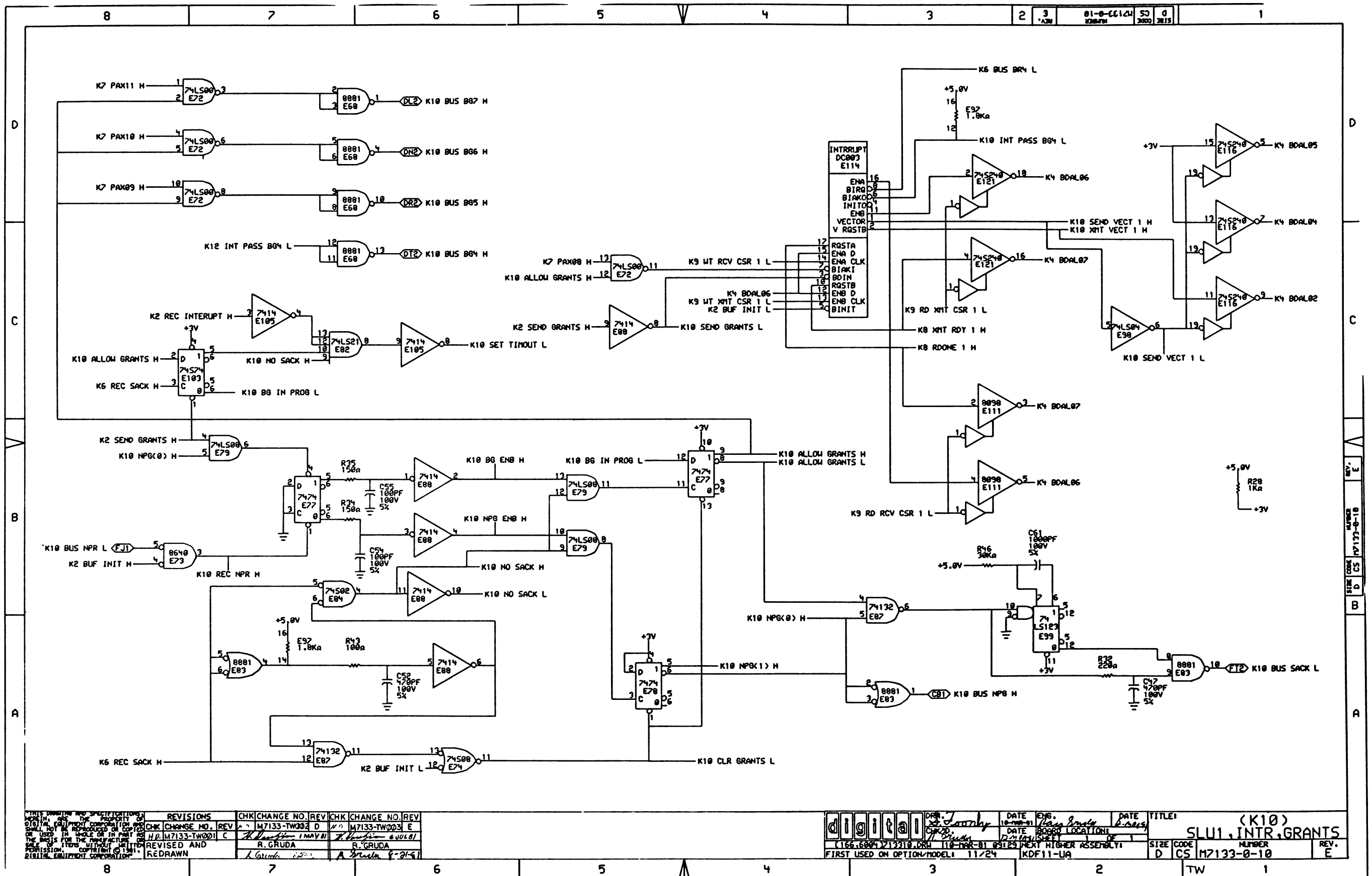


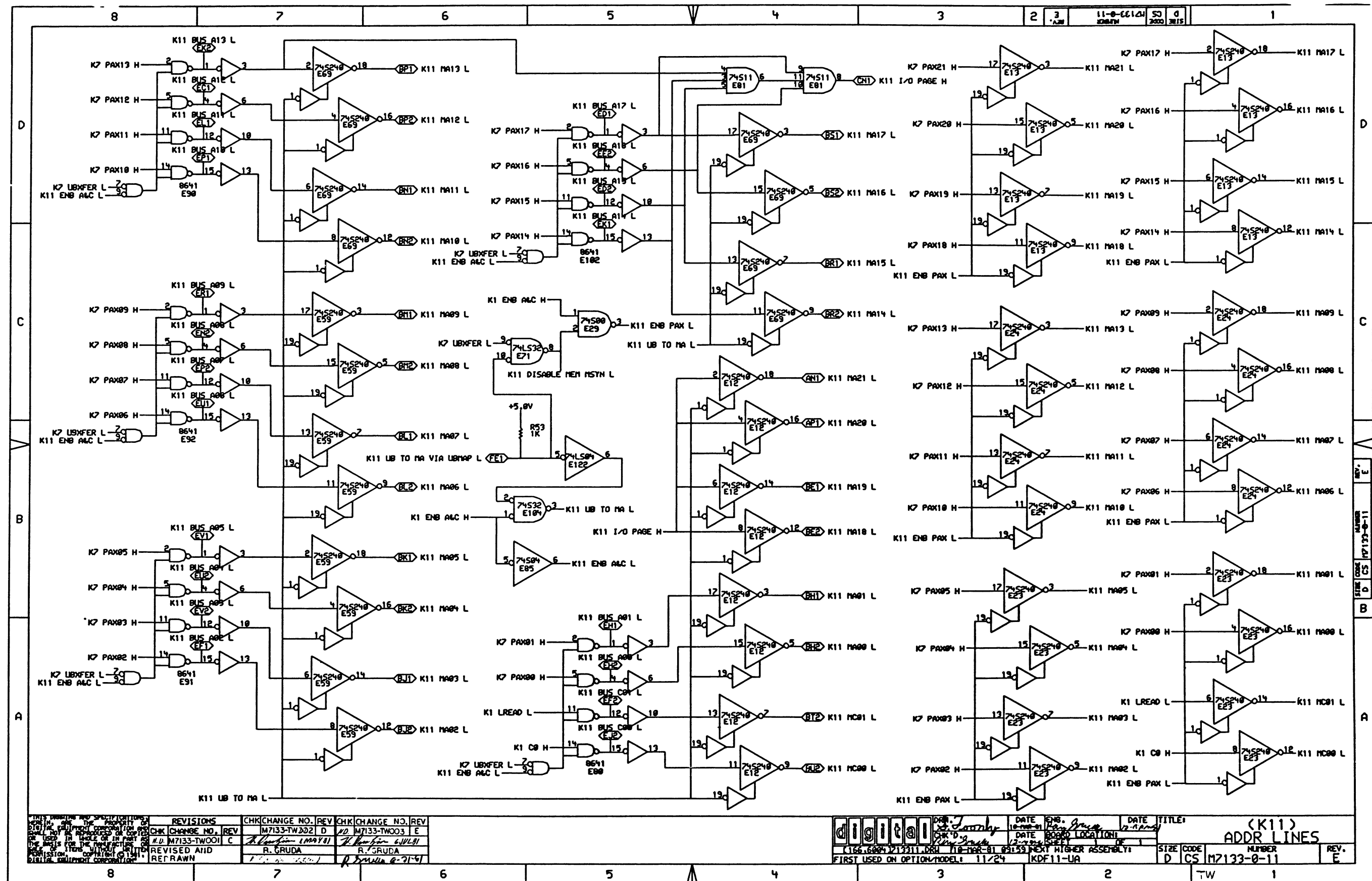




REV. F
NUMBER
M7133-0-9
SIZE
CODE
D CS
B
A

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				5	5	M7133-TW010	L		6	M7133-TW011	M	7	M7133-TW012	N
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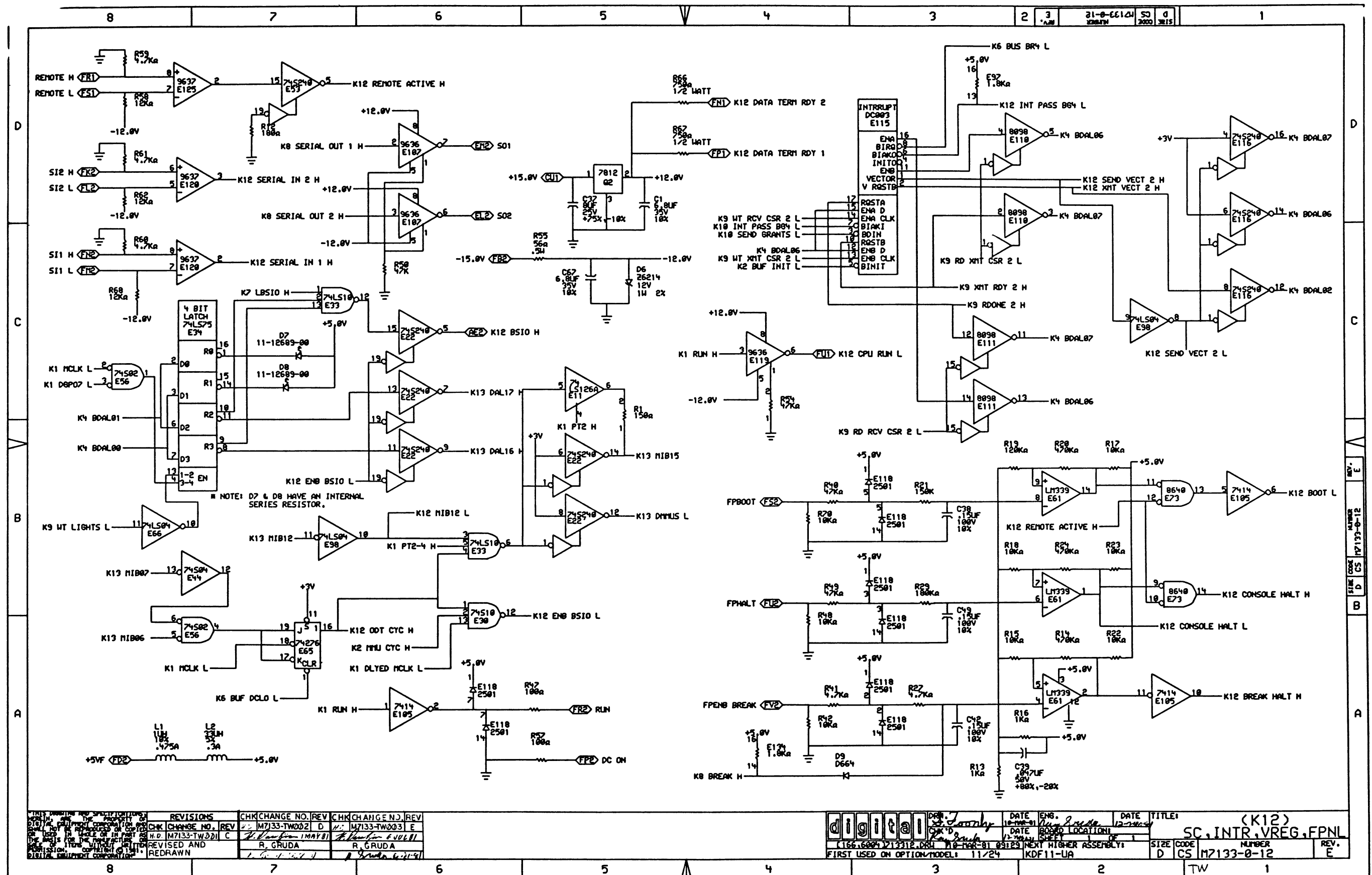


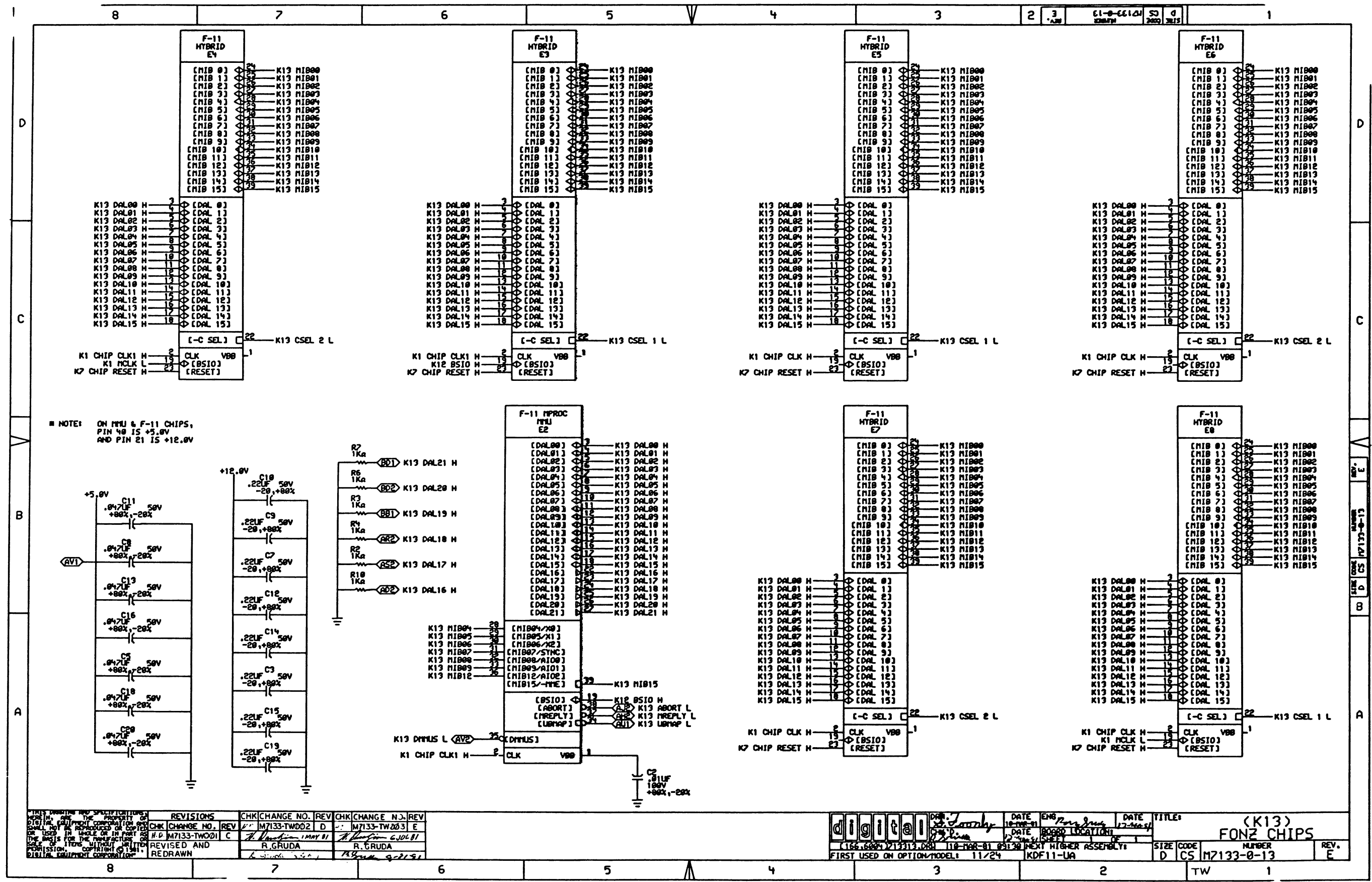


11-0-01124
REV. 3
DATE 12-24-81
BY R. GRUDA
K11

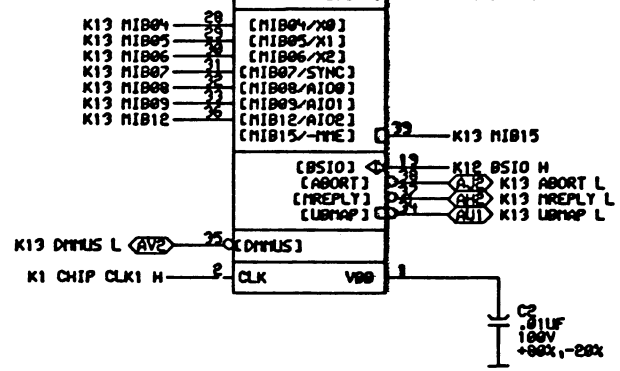
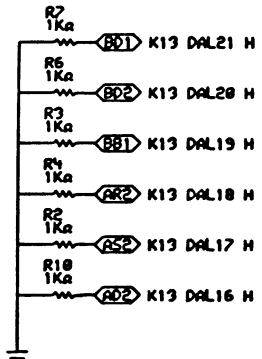
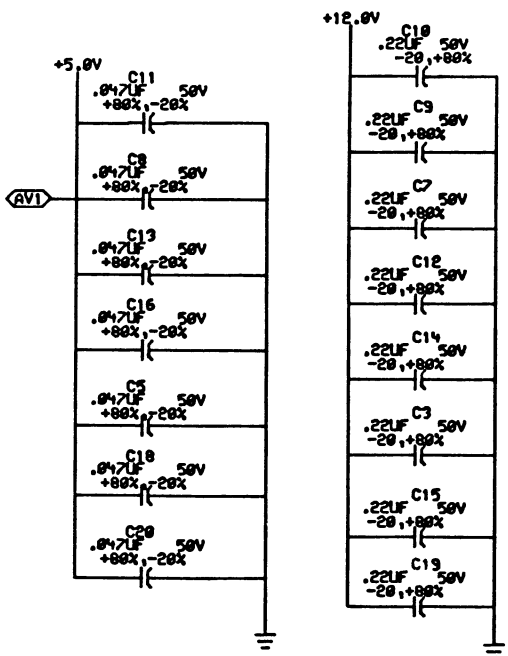
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	R. GRUDA		R. GRUDA	

DATE 12-24-81	ENG. R. GRUDA	DATE 12-24-81	TITLE: (K11) ADDR LINES
DATE 12-24-81	BY R. GRUDA	DATE 12-24-81	SIZE CODE NUMBER
DATE 12-24-81	BY R. GRUDA	DATE 12-24-81	D CS M7133-0-11
DATE 12-24-81	BY R. GRUDA	DATE 12-24-81	REV. E





NOTE: ON MIB & F-11 CHIPS,
PIN 40 IS +5.0V
AND PIN 21 IS +12.0V



REV	CHG	NO.	REV	CHG	NO.
1	M7133-TW002	D	1	M7133-TW003	E
2	M7133-TW001	C	2	M7133-TW001	C
3	M7133-TW001	C	3	M7133-TW001	C

DATE	11-24-81	ENG	R. GRUDA	DATE	11-24-81	TITLE	(K13) FONZ CHIPS
DATE	11-24-81	LOC	11-24-81	DATE	11-24-81	LOC	11-24-81
DATE	11-24-81	LOC	11-24-81	DATE	11-24-81	LOC	11-24-81
DATE	11-24-81	LOC	11-24-81	DATE	11-24-81	LOC	11-24-81

BAUD RATES

THERE ARE TWO SIMULTANEOUS BAUD RATES AVAILABLE.
BAUD RATE 1 IS SELECTED USING SWITCHES 5,6,7,8 OF E135.
BAUD RATE 2 IS SELECTED USING SWITCHES 1,2,3,4 OF E135.
BOTH ARE ACCORDING TO THE SWITCH SETTING PATTERN SHOWN BELOW.

SWITCH E135					
BAUD RATE 1 (K8 BR1)	5	6	7	8	
BAUD RATE 2 (K8 BR2)	1	2	3	4	
BAUD RATES:	50	ON	ON	ON	ON
	75	ON	ON	ON	OFF
	110	ON	ON	OFF	ON
	134.5	ON	ON	OFF	OFF
	150	ON	OFF	ON	ON
	200	ON	OFF	ON	OFF
	300	ON	OFF	OFF	ON
	600	ON	OFF	OFF	OFF
	1200	OFF	ON	ON	ON
	1800	OFF	ON	ON	OFF
	2000	OFF	ON	OFF	ON
	2400	OFF	ON	OFF	OFF
	3600	OFF	OFF	ON	ON
	4800	OFF	OFF	ON	OFF
	9600	OFF	OFF	OFF	ON
	19200	OFF	OFF	OFF	OFF

(IF REMOTE ACTIVE H IS ASSERTED, THEN 19200 IS ANY SETTING.)

SLU 1/SLU 2
BAUD RATE SELECTION

SLU 1

XMIT RATE (K8 XMIT CLK 1)

BAUD RATE 1
BAUD RATE 2

SWITCH E124			
1	2	3	4
OFF	ON	---	---
ON	OFF	---	---

RCVR RATE (K8 RCVR CLK 1)

BAUD RATE 1
BAUD RATE 2

---	---	ON	OFF
---	---	OFF	ON

SLU 2

XMIT RATE (K9 XMIT CLK 2)

BAUD RATE 1
BAUD RATE 2
19.2K BAUD

JUMPERS					
W4	W9	W10	W11	W12	W13
---	---	OUT	IN	---	OUT
---	---	IN	OUT	---	OUT
---	---	OUT	OUT	---	IN

RCVR RATE (K9 RCLX 2)

BAUD RATE 1
BAUD RATE 2
19.2K BAUD

OUT	IN	---	---	OUT	---
OUT	OUT	---	---	IN	---
IN	OUT	---	---	OUT	---

ODD/EVEN PARITY; STOP BITS

	SLU 1		SLU 2	
	W5	W6	W7	W8
ODD PARITY	---	IN	---	IN
EVEN PARITY	---	OUT	---	OUT
PARITY ENABLED	IN	---	IN	---
PARITY DISABLED	OUT	---	OUT	---
	W1			
ONE STOP BIT	IN			
TWO STOP BIT	OUT			

(REMOTE ACTIVE H DEFAULTS TO ONE STOP BIT)

NOTE: IF M9312 IS PRESENT,
M9312 S1-2 MUST BE OFF.

CLOCK SETUP PROCEDURE

1. PUT PROBE ON K1 MCLK L AT PIN B02
2. PUT MACHINE IN WAIT LOOP.
3. ADJUST POTENTIOMETER R31 WITH SCREWDRIVER UNTIL K1 MCLK L HAS A PERIOD OF 300ns.

SWITCH

E124 5 ON ENABLE FIELD SERVICE MAINT L
OFF NO FS MAINT

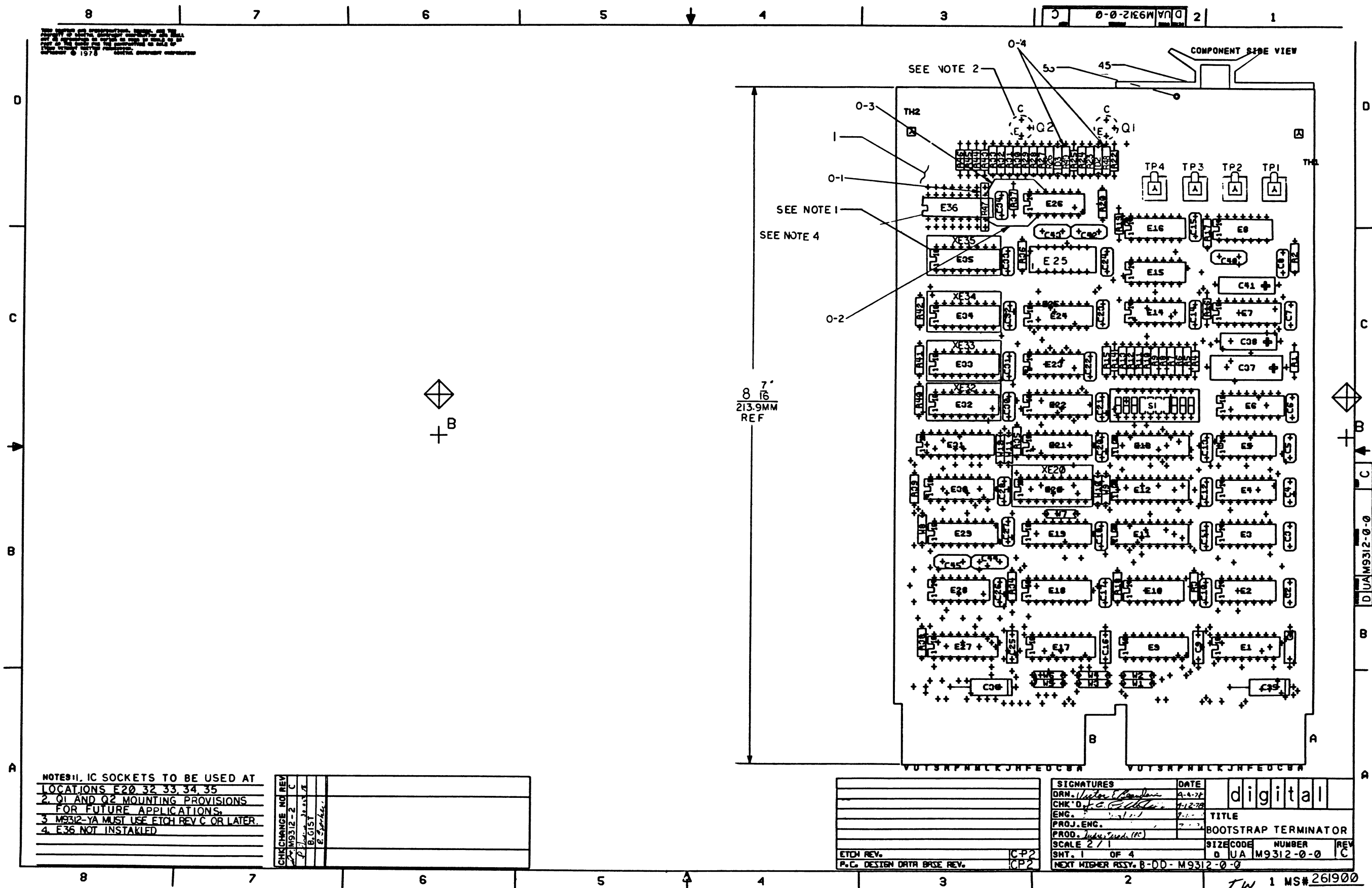
E124 6 ON NO EFFECT ON USBXFER
OFF FORCES USBXFER L

JUMPERS

POWER UP TO:	W14
165000	IN
173000	OUT
ALLOW HALTS	W3
KERNEL HALT TRAPS TO 10	OUT
BOOT ON POWER UP	W2
POWER UP VIA 24	IN
	OUT

REVISIONS				CHK CHANGE NO. REV				CHK CHANGE NO. REV			
H.D. M7133-TW001				M7133-TW002				M7133-TW003			
C				D				E			
R. GRUDA				R. GRUDA				R. GRUDA			
R. GRUDA				R. GRUDA				R. GRUDA			

digital		DATE	ENG.	DATE	TITLE:	(K14) SW, JMPR,	
155.6004 121314.DRU		10-10-01	R. GRUDA	12-11-01	DATE	CLK SETTINGS	
FIRST USED ON OPTION/MODEL: 11/24		NEXT HIGHER ASSEMBLY: KDF11-UA		SIZE CODE		NUMBER	
				D CS		M7133-0-14	
						REV. E	

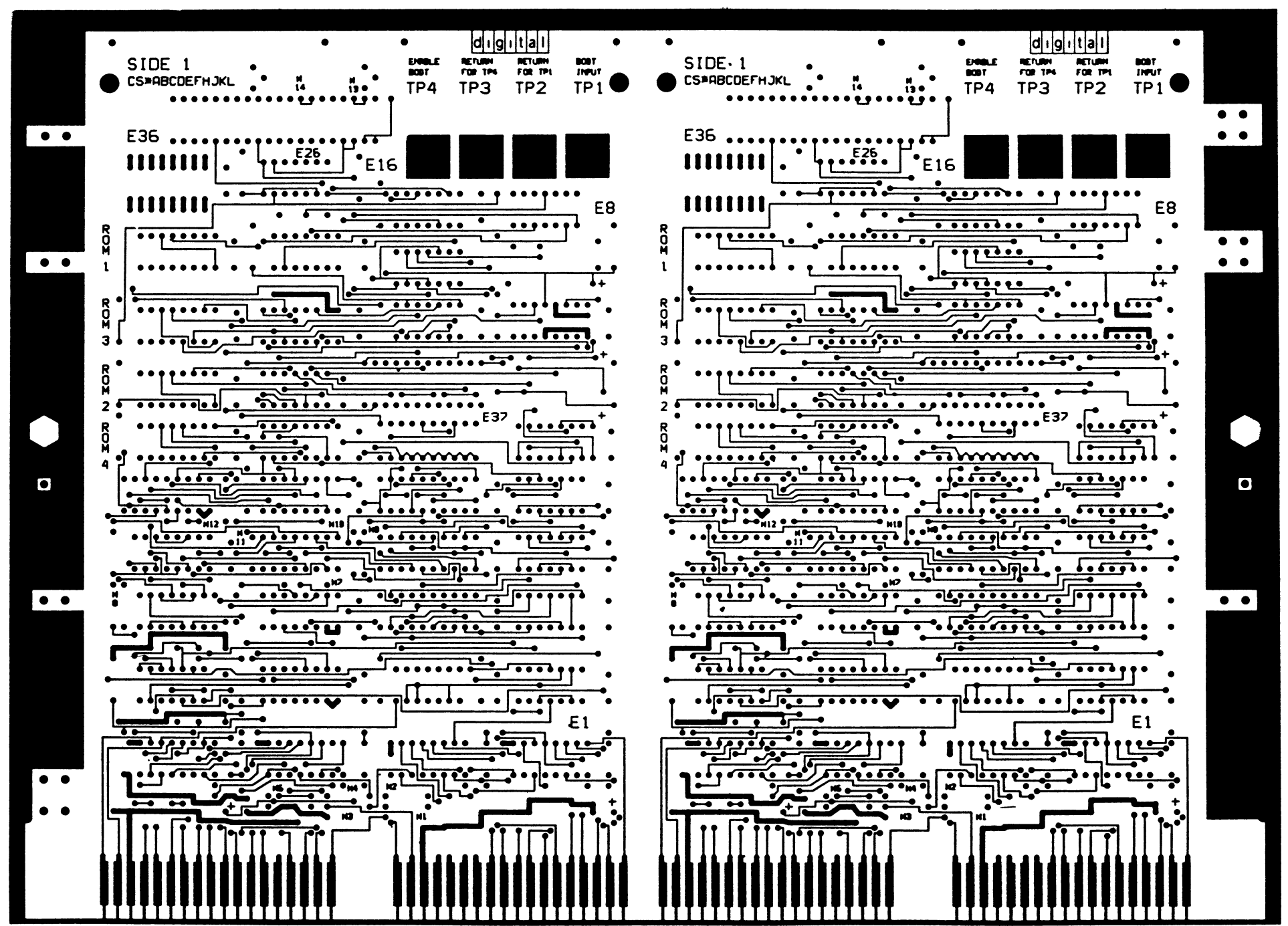


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M9312 5013263 C-P2 L1
LAYER 1

M9312 5013263 C-P2 L1

0-0-2136W M9312 2



REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE CODE	NUMBER	REV.
BOOTSTRAP TERMINATOR		D UA	M9312-0-0	C
SCALE	++	SHEET	2 OF 4	DIST

M9312-0-0
D UA

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0-0-2166W M9312-0-0 2

L4

83417J

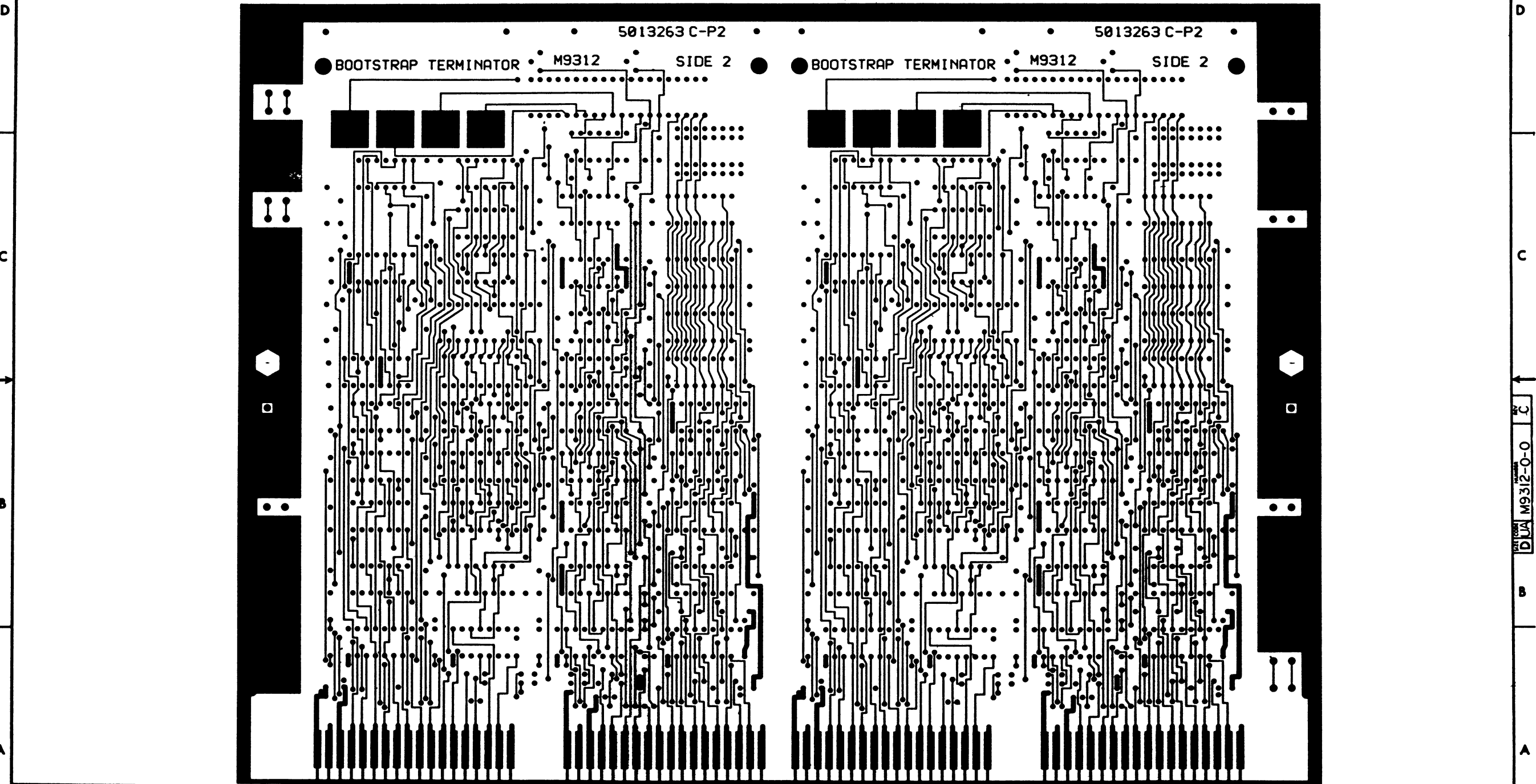
L4

5013263 C-P2

5013263 C-P2

● BOOTSTRAP TERMINATOR M9312 SIDE 2

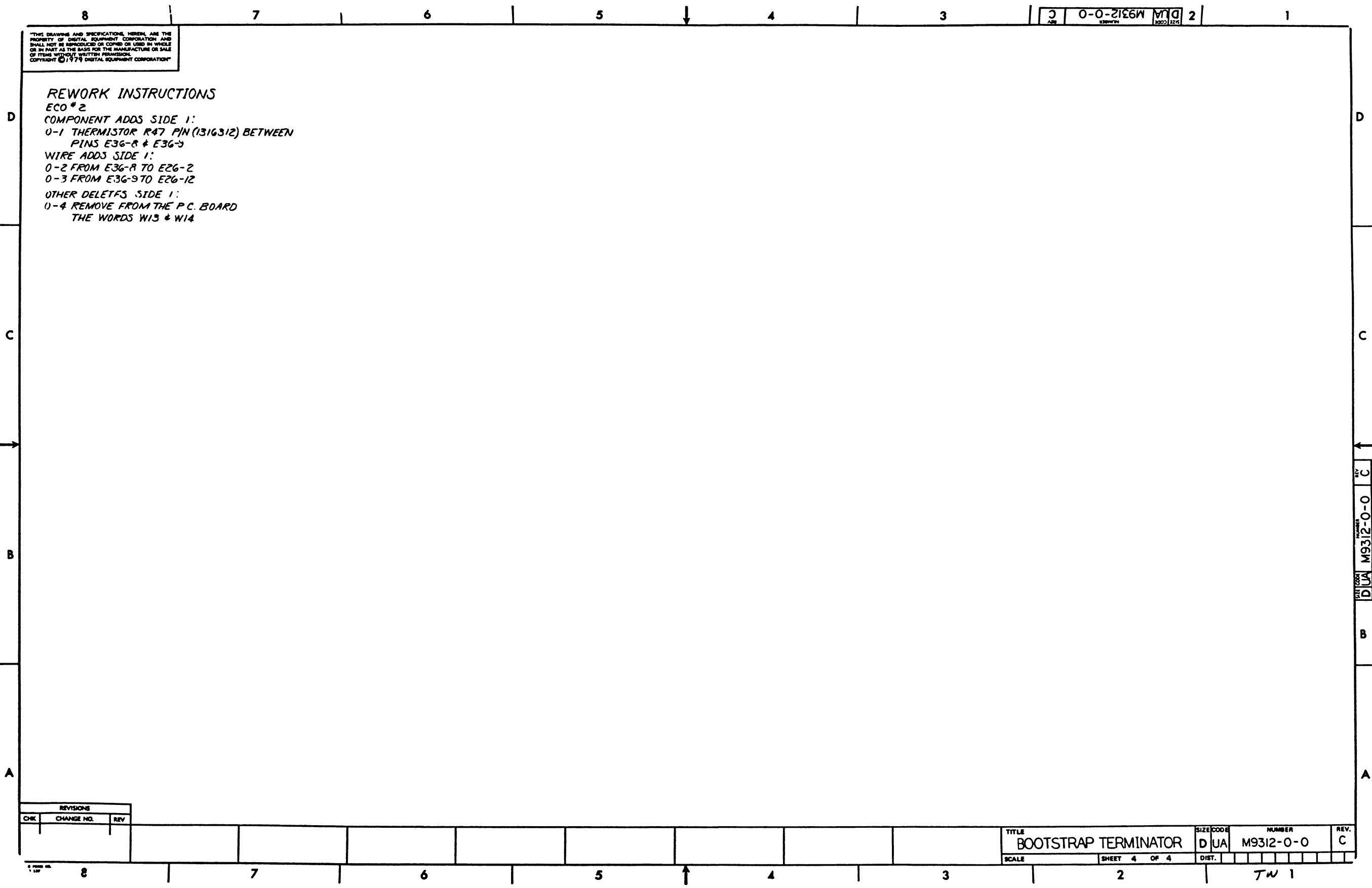
● BOOTSTRAP TERMINATOR M9312 SIDE 2



REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE	NUMBER	REV.
BOOTSTRAP TERMINATOR		D UA	M9312-0-0	C
SCALE	1:1	SHEET	3 OF 4	DET.

7W1



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REWORK INSTRUCTIONS
ECO #2
COMPONENT ADDS SIDE 1:
0-1 THERMISTOR R47 P/N (1316312) BETWEEN PINS E36-8 & E36-9
WIRE ADDS SIDE 1:
0-2 FROM E36-8 TO E26-2
0-3 FROM E36-9 TO E26-12
OTHER DELETES SIDE 1:
0-4 REMOVE FROM THE P.C. BOARD THE WORDS W13 & W14

REVISIONS		
CHK	CHANGE NO.	REV

TITLE		SIZE	CODE	NUMBER		REV.
BOOTSTRAP TERMINATOR		D	UA	M9312-0-0		C
SCALE		SHEET 4 OF 4		DIST.		

DUA
M9312-0-0
REV. C

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
1	1	P-MD-5013264-0-0	5013263-00	ETCH BOARD FOR M9312	1	
2	2		1000043-00	1000.0 MMF 250V 20% Y5F DISC	2	C44,C45
3	3		1000054-00	1500.0 MMF 250V 10% Z5P DISC	2	C42,C43
4	4		1000076-00	39 MFD 10V 10% 150D S.TA	2	C35,C36
5	5		1001610-00	.01 MFD 50V -20+80 Z5U AXIAL	28	C2-C8,C10-C15,C17,C18,C20-C24, CONT C26-C28,C30-C34
6	6		1004813-00	10 MFD 20V 10% S.TANT	2	C38,C41
7	7		1005335-00	39 MFD 20V 10% S.TANT	1	C37
8	8		1010274-01	.22 MFD 50V -20+80 Z5U CER	4	C1,C9,C16,C25
9	9		1100113-00	*** THIS ITEM IS NOT USED ***	-	
10	10		1211164-00	SW,DIP 1P 1A 10POS	1	S1
11	11		1215006-02	SOCKET 16PIN IC LOW PROFILE	4	XE32-XE35
12	12		1215006-03	SOC'ET 18PIN IC LOW PROFILE	1	XE20
13	13		1300229-00	100 1/4W 5% CC	1	R30
14	14		1300365-00	1 K 1/4W 5% CC	13	R3,R15,R14,P24,R19,R27,R33,R35, CONT R36,R39,R41,R48,R49
15	15		1300447-00	4.7 K 1/4W 5% CC	5	R4,R43,R44-R46
16	16		1300479-00	10 K 1/4W 5% CC	13	R5-R13,R18,R20,R40,R2
17	17		1302177-00	47 K 1/4W 5% CC	2	R31,R32
18	18		1302391-00	20 K 1/4W 5% CC	4	R22,R25,R28,R29
19	19		1302394-00	30 K 1/4W 5% CC	2	R1,R16
20	20		1000010-00	39.0 MMF 100V 5%200PPM DM15S	1	C40
21	21		1305125-00	383 1/4W 1% RN55D-F 100PPM	2	R34,R38
22	22		1310630-00	1.33 K 1/4W 1% RN55D-F 100PPM	1	R42
23	23		1312628-00	R NETWORK 14-176.5 14-375	2	E1,E27
24	24		1312628-01	R NETWORK 14-176.5 11-375	2	E9,E17
25	25		1513265-00	QUAD CORE DRIVER	1	E26
26	26		1611243-00	DELAY=25-250NS,10TAPS RCL#L-183	1	E25
27	27		1909705-00	DEC 8881 NAND GATE-QUAD 2IN 0	6	E2,E3-E5,E10,E14
28	28		1910546-00	74S140 NAND GATE-DUAL 4INPU	1	E16

REVISION HISTORY			BASIC PART NO: M9312		DRN: D.SIPEEN		DATE: 27-JUN-79		D I G I T A L			
ENG	ECO NUMBER	REV	SECTION A OF A		CHK'D: F.SMART		DATE: 27-JUN-79		TITLE PARTS LIST			
---	INITIAL	C	SECTION VARIATION INDEX						BOOTSTRAP TERMINATOR			
			[A] 00									
			[B]		DES.ENG: E.CROCKER		DATE: 27-JUN-79					
			[C]									
			[D]									
			[E]		RESP.ENG.: E.CROCKER		DATE: 27-JUN-79		DOCUMENT NUMBER			
			[F]									
			[H]									
			[J]		MFG.ENG.: E.CROCKER		DATE: 27-JUN-79		SIZE	CODE	NUMBER	REV
			[K]						K	PL	M9312-0-DBP	C
			[L]									
			[M]		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #	
			[N]		ID-UA-M9312-0-0		IB-DD-M9312-0-0		M9312,PLS		5	

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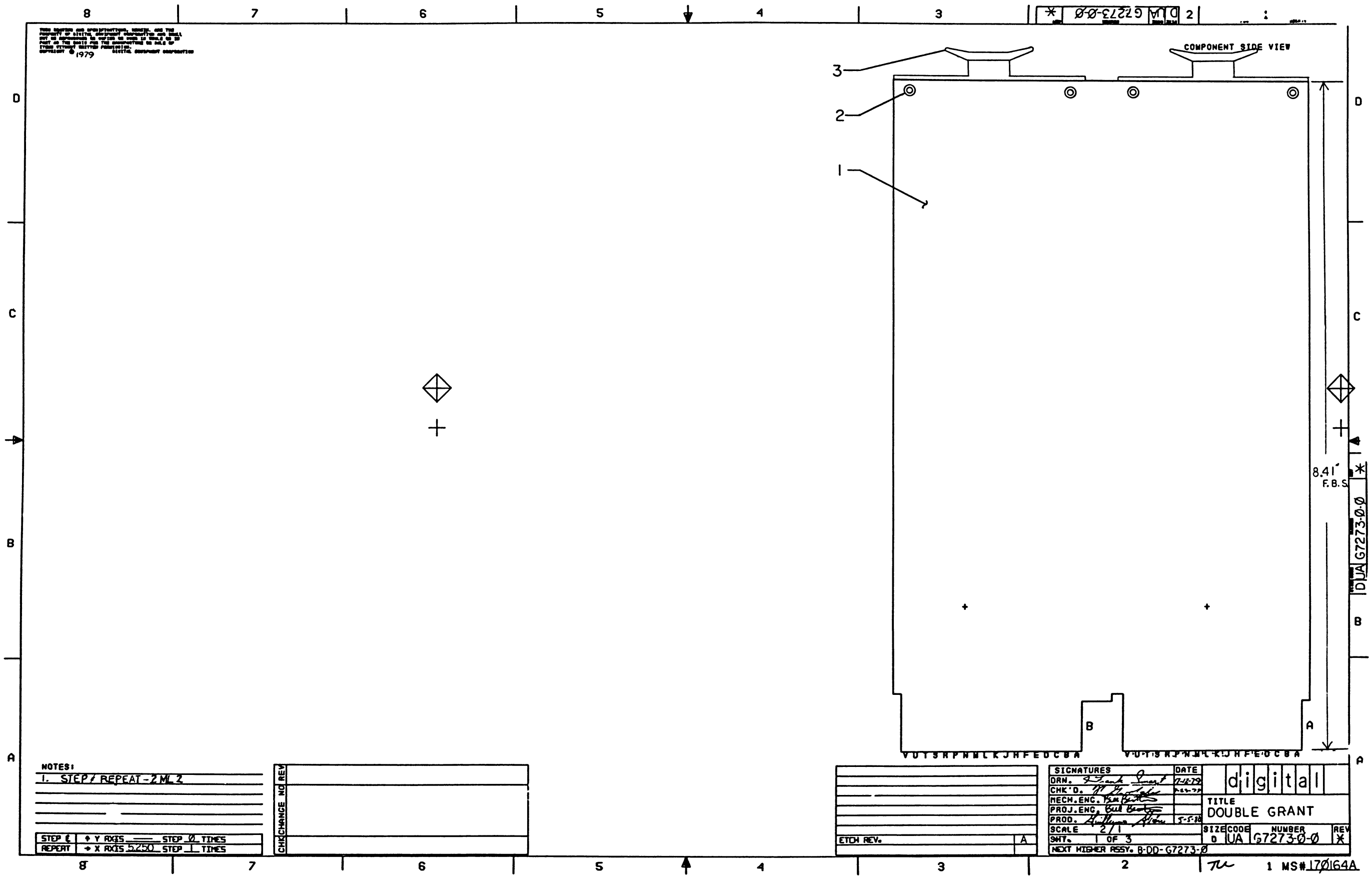
TW

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
29	29		1910951-00	9602 ONE SHOT-DUAL	1	E7
30	30		1911116-00	DEC 8837 RECEIVER,BUS,HEX,UN	2	E18,E19
31	31		1911469-00	DEC 8640 RECEIVER,BUS,QUAD,U	2	E8,E28
32	32		1911579-00	8641 TRANSCEIVER,BUS,QUA	2	E29,E30
33	33		1912816-00	LS32 OR GATE-QUAD 2IN,POS	1	E23
34	34		1912825-00	LS76 FF-JK DUAL W/PRESET	1	E6
35	35		1912829-00	LS86 X-OR GATE-QUAD 2IN	1	E15
36	36		1912846-00	LS155 DECODER,2 OF 4(DUAL)	1	E22
37	37		1912854-00	LS193 COUNTER,SYNCHR,4BIT,	1	E24
38	38		1913777-00	LS240 DRIVER,LINE,OCTAL,T	1	E13
39	39		1914214-00	LS374 FF-D OCTAL EDGE TRIG	2	E11,E12
40	40		23217F1-00	F1-01	1	E31
41	41		23690A9-00	A9-04	1	E21
42	42		1300295-00	330 1/4W 5% CC	1	R17
43	43		1302388-00	2 K 1/4W 5% CC	1	R37
44	44		9007112-00	TERM QUICK 1POS ADAPTER	4	TP1-TP4
45	45		9008337-06	HANDLE, FLIP CHIP, MAGENTA	1	
46	46		9009000-00	EYELET, ROLLED FLANGE, .121 OD X	4	
47	47		9009157-00	ADHESIVE, LIQUID, FOOM TEMP CURI	A/R	
48	48		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	3	W7,W9,W10
49	49		9105740-55	WIRE(WRAP)30AWG UL1423	A/R	
50	50		1302466-00	100 K 1/4W 5% CC	2	R23,R26
51	51		1316312-00	1.35 K 1/4W 10% THERMISTOR	1	R47
52	52		1105796-00	1N 4004 PIV=400 I= 1A D041 SP	2	D2,D3
53	53		9006732-00	EYELET, ROLLED FLANGE, .121 OD X	2	

0 NOTE: IC SPARE LOCATIONS INCLUDE E36.

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							BOOTSTRAP TERMINATOR		K	PL	M9312-0-DBP	C

TW



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* 00-2273-00 2

COMPONENT SIDE VIEW

NOTES:
1. STEP 1 REPEAT - 2 ML 2

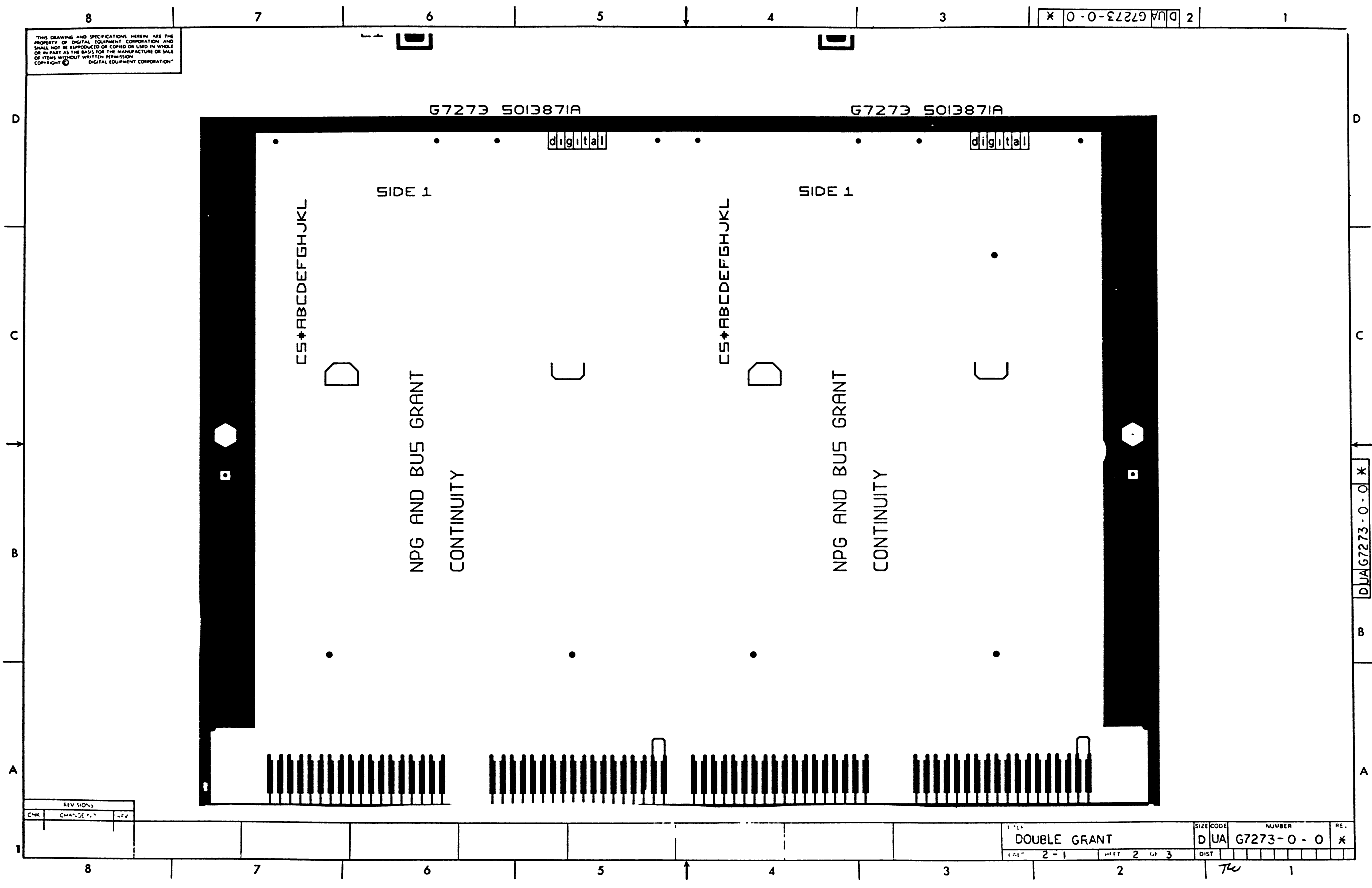
STEP 1	Y AXIS	STEP 0	TIMES
REPEAT	X AXIS	5.250	STEP 1 TIMES

CHANGE NO	REV

ETCH REV.	A

SIGNATURES		DATE	digital	
DRN.	<i>[Signature]</i>	7/2/79	TITLE	
CHK'D.	<i>[Signature]</i>	7/2/79		
MECH. ENG.	<i>[Signature]</i>		DOUBLE GRANT	
PROJ. ENG.	<i>[Signature]</i>			
PROD.	<i>[Signature]</i>	5-5-78	SIZE CODE NUMBER	
SCALE	2/1			
QNT.	1 OF 3		0 UAG7273-00 *	
NEXT HIGHER ASSY. B-00-67273-0				

1 MS# 170164A



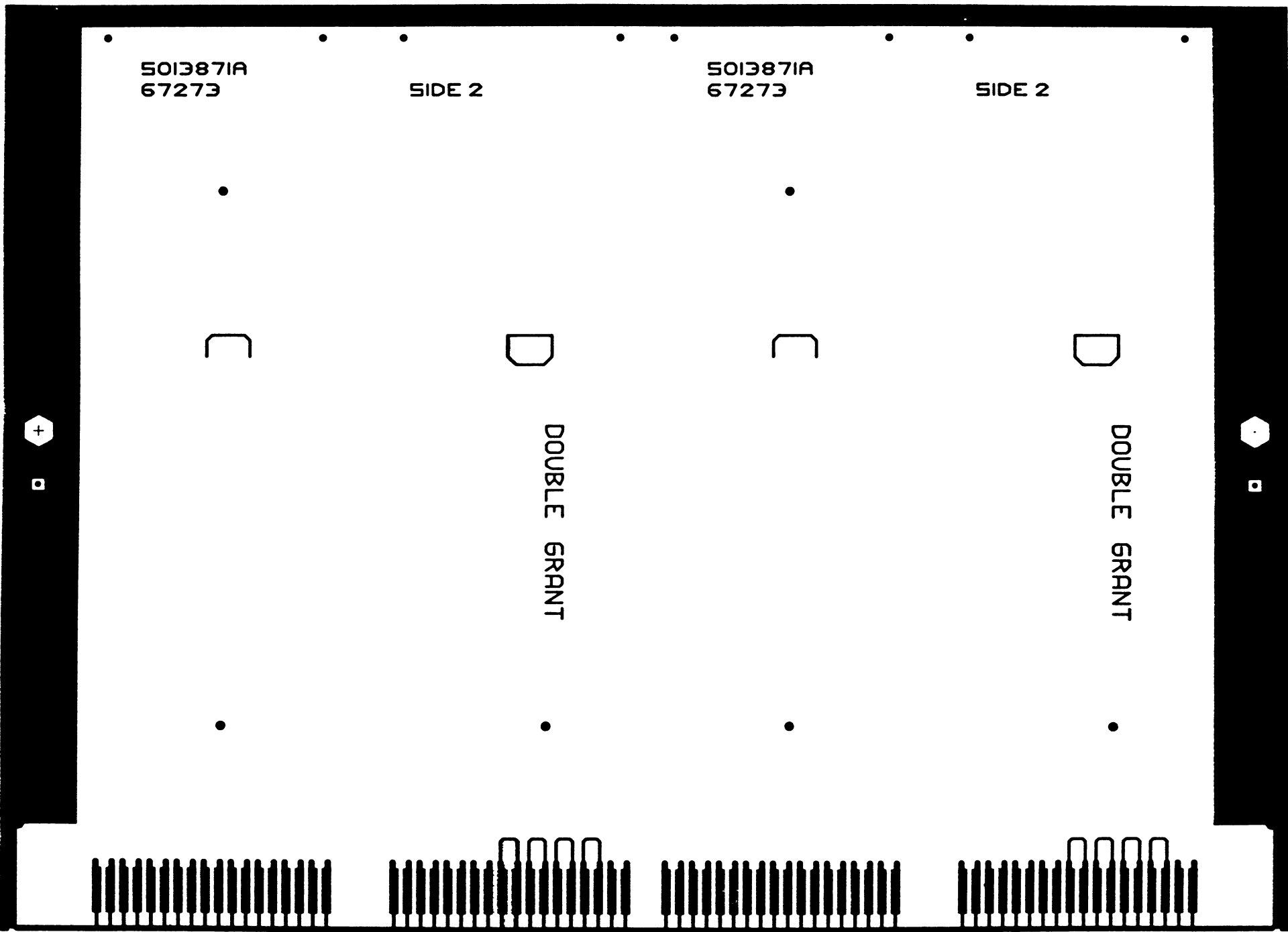
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REVISIONS		
CHK	CHANGE	DATE

TITLE		SIZE	CODE	NUMBER		RE.
DOUBLE GRANT		D	UA	G7273-0-0		*
1	2	3	DIST	1	2	3

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2 DUA G7273-0-0 *



UAG7273-0-0 *

REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE/CODE	NUMBER	
DOUBLE GRANT		DUA	G7273-0-0 *	
SCALE	2-1	SHEET	3 OF 3	DIST

Tu

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY	PFR VARIATION
1	1	D-MD-5013871-0-0	5013871-00	(11/24) BOARD FOR G7273	1	
2	2		9006732-00	FYFLFT, ROLLED FLANGE, .121 OD X	4	
3	3		9008337-01	HANDLE, FLIP CHIP, GREEN	2	

REVISION HISTORY			BASIC PART NO: G7273		DRN: F.SMART		DATE: 18-JUL-79		D I G I T A L			
ENG	ECO NUMBER	REV	SECTION A OF A						PARTS LIST			
---	INITIAL	*	SECTION, VARIATION INDEX		CHK'D: F.GAFOFALO		DATE: 18-JUL-79		TITLE			
			[A] 00						DOUBLE GRANT			
			[B]		DES.ENG.: R.GRUDA		DATE: 5-MAY-80					
			[C]		RESP.ENG.: P.GRUDA		DATE: 5-MAY-80		DOCUMENT NUMBER			
			[D]						SIZE CODE		NUMBER	REV
			[E]		MFG.ENG.: G.ABREU		DATE: 5-MAY-80		K	PL	G7273-0-DBP	*
			[F]		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #	
					D-UA-G7273-0-0		B-DD-G7273-0-0		Z1264.PLS		4	
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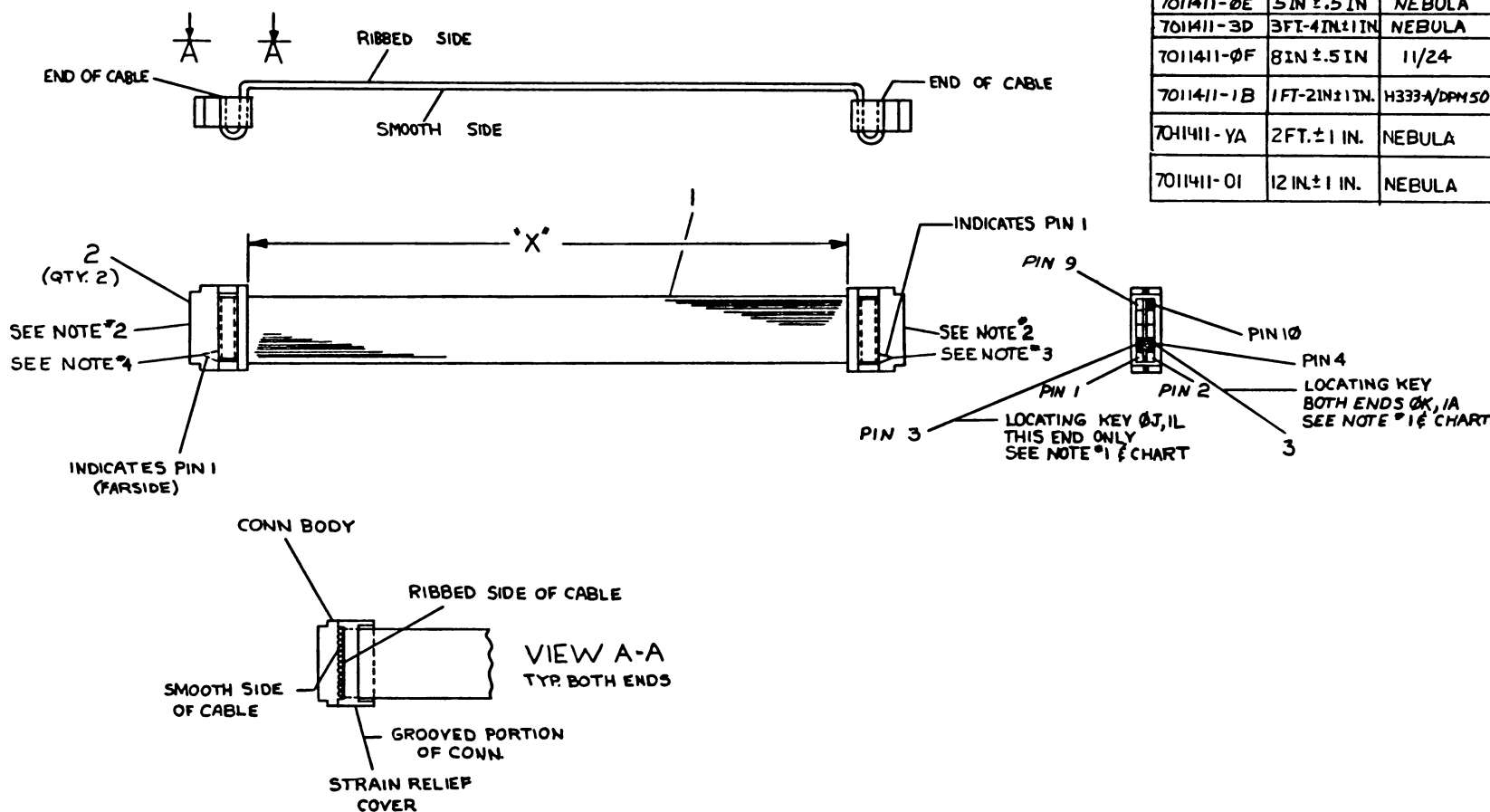
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LEGEND

NUMBER	DIM. VARIATION	USED ON	KEY PIN
7011411-0J	8 IN ±.5 IN.	BA11-L OR M	ONE END
7011411-0K	9 IN ±.5 IN.	LS1-11	BOTH ENDS
7011411-1D	1 FT. 4 IN ±.1 IN.	KY11-LB	
7011411-2D	2 FT. 4 IN ±.1 IN.	BA11-F/DO HPF	ONE END
7011411-0H	7 IN ±.5 IN.	H796, 1, 2, 3	
7011411-1J	1 FT. 8 IN ±.1 IN.	1104/34-7A	PIN 3 ONE END
7011411-1L	1 FT. 10 IN ±.1 IN.	BA11-L, H777	PIN 3 ONE END
7011411-1A	3 FT. 4 IN ±.1 IN.	H787	BOTH ENDS
7011411-3J	3 FT. 8 IN ±.1 IN.	BA11-K, H785	
7011411-2J	2 FT. 8 IN ±.1 IN.	BA11-K-H785	NO KEY
7011411-5F	5 FT. 6 IN ±.1 IN.	1160	BOTH ENDS
7011411-12	12 FT. 2 IN.	KAS76	
7011411-7	7 FT. ±.2 IN.	11780	
7011411-1C	1 FT. 3 IN ±.1 IN.	VT103	SEE NOTES 3 AND 4
7011411-2	2 FT. ±.1 IN.	VT103	SEE NOTES 3 AND 4
7011411-0E	5 IN ±.5 IN.	NEBULA	BOTH ENDS
7011411-3D	3 FT. 4 IN ±.1 IN.	NEBULA	BOTH ENDS
7011411-0F	8 IN ±.5 IN.	11/24	PIN 3 ONE END PIN 6 ONE END
7011411-1B	1 FT. 2 IN ±.1 IN.	H333A/DFM50	BOTH ENDS
7011411-YA	2 FT. ±.1 IN.	NEBULA	PIN 5 BOTH ENDS
7011411-0I	12 IN ±.1 IN.	NEBULA	PIN 10 BOTH ENDS

NOTES:

1. INSERT KEY IN PROPER CONNECTOR PIN AND BREAK OFF TAB.
2. FOR ITEM 0J DRAWING IS SHOWING 3M CONNECTOR.
3. FOR -1C AND -2 VARIATIONS, KEY PIN 6.
4. FOR -1C AND -2 VARIATIONS, KEY PIN 5.



1	TIE, CABLE	9007031	5
1	LABEL, CABLE IDENT	9009532	4
AR	KEY	9009707	3
2	CONN. CRIMP	1211206-02	2
AR	CABLE, 10 CONDUCT	9107747-02	1

THIRD ANGLE PROJECTION		QUANTITY & VARIATION		DESCRIPTION		DWG. PART NO.		ITEM NO.	
REMOVE BLURS AND BREAK SHARP CORNERS		DO NOT SCALE DWG		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		FIRST USED ON		SEE LEGEND	
MATERIAL SEE PARTS LIST		FINISH		CLASS OF ACCURACY		SURFACE QUALITY		MICROMETERS	
				CHECK ONE		PREFERRED			
				DRM. BAPTIST 5-20-75		CHK'D. HEALY 6-13-75		ENG. R. BARRY 6-18-75	
				PROJ. ENGR. BARRY 6-18-75		PROD. R. PETERSON 6-19-75			
				TITLE		CABLE		CONSOLE BACKPLANE	
				SIZE		D 1A		7011411-0-0	
				SHEET		1 OF 1		REV. W	

REV.	CHANGE NO.	BY	DATE
1	7011411-00011	M	5/22/75
2	7011411-00012	N	5/22/75
3	7011411-00013	P	5/22/75
4	7011411-00014	R	5/22/75
5	7011411-00015	S	5/22/75
6	7011411-00016	T	5/22/75
7	7011411-00017	U	5/22/75
8	7011411-00018	V	5/22/75
9	7011411-00019	W	5/22/75
10	7011411-00020	X	5/22/75
11	7011411-00021	Y	5/22/75
12	7011411-00022	Z	5/22/75
13	7011411-00023	AA	5/22/75
14	7011411-00024	AB	5/22/75
15	7011411-00025	AC	5/22/75
16	7011411-00026	AD	5/22/75
17	7011411-00027	AE	5/22/75
18	7011411-00028	AF	5/22/75
19	7011411-00029	AG	5/22/75
20	7011411-00030	AH	5/22/75
21	7011411-00031	AI	5/22/75
22	7011411-00032	AJ	5/22/75
23	7011411-00033	AK	5/22/75
24	7011411-00034	AL	5/22/75
25	7011411-00035	AM	5/22/75
26	7011411-00036	AN	5/22/75
27	7011411-00037	AO	5/22/75
28	7011411-00038	AP	5/22/75
29	7011411-00039	AQ	5/22/75
30	7011411-00040	AR	5/22/75
31	7011411-00041	AS	5/22/75
32	7011411-00042	AT	5/22/75
33	7011411-00043	AU	5/22/75
34	7011411-00044	AV	5/22/75
35	7011411-00045	AW	5/22/75
36	7011411-00046	AX	5/22/75
37	7011411-00047	AY	5/22/75
38	7011411-00048	AZ	5/22/75
39	7011411-00049	BA	5/22/75
40	7011411-00050	BB	5/22/75
41	7011411-00051	BC	5/22/75
42	7011411-00052	BD	5/22/75
43	7011411-00053	BE	5/22/75
44	7011411-00054	BF	5/22/75
45	7011411-00055	BG	5/22/75
46	7011411-00056	BH	5/22/75
47	7011411-00057	BI	5/22/75
48	7011411-00058	BJ	5/22/75
49	7011411-00059	BK	5/22/75
50	7011411-00060	BL	5/22/75
51	7011411-00061	BM	5/22/75
52	7011411-00062	BN	5/22/75
53	7011411-00063	BO	5/22/75
54	7011411-00064	BP	5/22/75
55	7011411-00065	BQ	5/22/75
56	7011411-00066	BR	5/22/75
57	7011411-00067	BS	5/22/75
58	7011411-00068	BT	5/22/75
59	7011411-00069	BU	5/22/75
60	7011411-00070	BV	5/22/75
61	7011411-00071	BW	5/22/75
62	7011411-00072	BX	5/22/75
63	7011411-00073	BY	5/22/75
64	7011411-00074	BZ	5/22/75
65	7011411-00075	CA	5/22/75
66	7011411-00076	CB	5/22/75
67	7011411-00077	CC	5/22/75
68	7011411-00078	CD	5/22/75
69	7011411-00079	CE	5/22/75
70	7011411-00080	CF	5/22/75
71	7011411-00081	CG	5/22/75
72	7011411-00082	CH	5/22/75
73	7011411-00083	CI	5/22/75
74	7011411-00084	CJ	5/22/75
75	7011411-00085	CK	5/22/75
76	7011411-00086	CL	5/22/75
77	7011411-00087	CM	5/22/75
78	7011411-00088	CN	5/22/75
79	7011411-00089	CO	5/22/75
80	7011411-00090	CP	5/22/75
81	7011411-00091	CQ	5/22/75
82	7011411-00092	CR	5/22/75
83	7011411-00093	CS	5/22/75
84	7011411-00094	CT	5/22/75
85	7011411-00095	CU	5/22/75
86	7011411-00096	CV	5/22/75
87	7011411-00097	CW	5/22/75
88	7011411-00098	CX	5/22/75
89	7011411-00099	CY	5/22/75
90	7011411-00100	CZ	5/22/75
91	7011411-00101	DA	5/22/75
92	7011411-00102	DB	5/22/75
93	7011411-00103	DC	5/22/75
94	7011411-00104	DD	5/22/75
95	7011411-00105	DE	5/22/75
96	7011411-00106	DF	5/22/75
97	7011411-00107	DG	5/22/75
98	7011411-00108	DH	5/22/75
99	7011411-00109	DI	5/22/75
100	7011411-00110	DJ	5/22/75

[illegible]

tw

4

3

2

1

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WIRE TABLE							
ITEM NO.	DISCRIPTION		FROM		TO		WIRE LENGTH
	AWG	COLOR	CONNECTION	WITH	CONNECTION	WITH	
3	22	YEL.	PI-5	2	PI-10	2	2"
3	22	YEL	PI-6	2	PI-9	2	2"

NOTES:

1. 12-10089-06 MAY BE SUBSTITUTED FOR ITEM #2.

4

1

PI

13

14

2 (4 PLACES)

3 (2 PLACES)

1

2

PIN INSERTION SIDE

REVISIONS

CHANGE NO.

REV.

CHK

DEC FORM NO.

DEC 100-C

THIRD ANGLE PROJECTION

REMOVE BURRS AND
BREAK SHARP CORNERS

DO NOT SCALE DWG

MATERIAL
SEE PARTS LIST

FINISH
NONE

QUANTITY &
VARIATION

DRN. *W. Hill* 22 MAR 78

CHK'D *J. F. Hinkle* 5 MAR 78

ENG. *James B. Spence* 12 MAY 78

PROJ. ENG. *James B. Spence* 12 MAY 78

PROD. *Ralph Hamilton* 12 MAY 78

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

ANGLES ±0° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES					
		OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0	OVER 40.0 TO 80.0
SURFACE QUALITY IN MICROINCHES	MEDIUM	±.004	±.008	±.012	±.016	±.024	±.04
	PREFERRED	±.012	±.016	±.025	±.04	±.063	±.1

DRN. *W. Hill* 22 MAR 78

CHK'D *J. F. Hinkle* 5 MAR 78

ENG. *James B. Spence* 12 MAY 78

PROJ. ENG. *James B. Spence* 12 MAY 78

PROD. *Ralph Hamilton* 12 MAY 78

FIRST USED ON
DLVII-J

TITLE
CONNECTOR,
TEST

SIZE CODE
C UA

NUMBER
H3270-0-0

REV.
PN

DESCRIPTION

DWG./PART NO.

ITEM NO.

1 LABEL, CABLE	9009532	4
A/R WIRE 22AWG STRANDED YEL	9107350-44	3
4 CONN, SKT CRIMP	1210089-07	2
1 TERMINATOR, HSG 14 POS	1210918-30	1

REVISIONS

CHANGE NO.

REV.

CHK

DEC FORM NO.

DEC 100-C

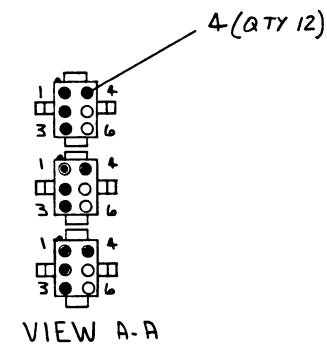
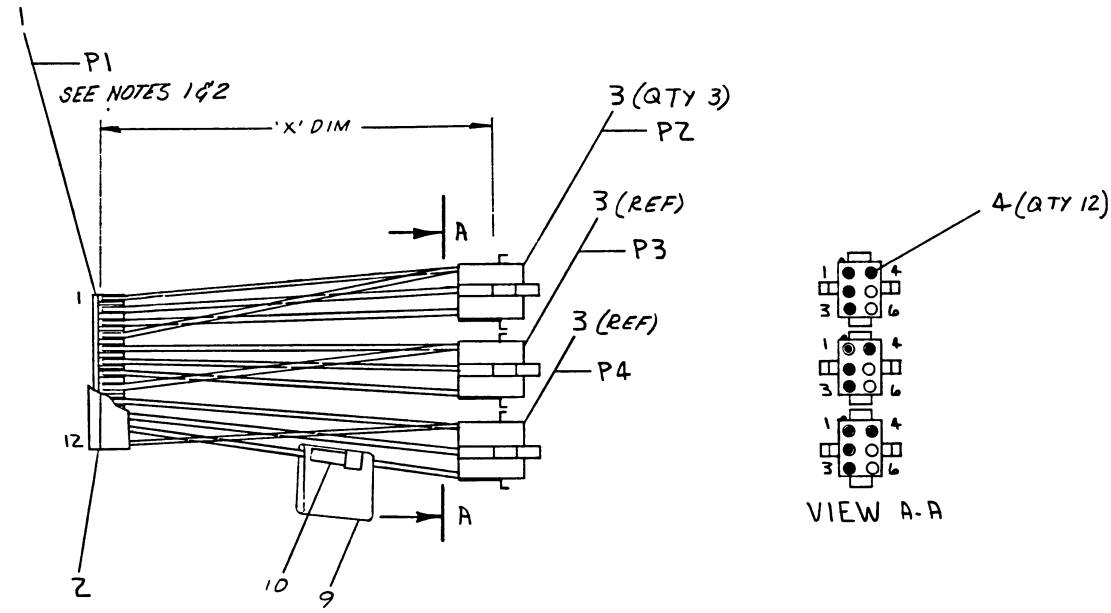
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WIRE TABLE						
ITEM NO	AWG	COLOR	FROM		TO	
			CONN	TERM	CONN	TERM
5	18	BLK	P1-1		P2-1	4
6		YEL	P1-2		P2-4	
7		VIO	P1-3		P2-3	
8		BRN	P1-4		P2-2	
5		BLK	P1-5		P3-1	
6		YEL	P1-6		P3-4	
7		VIO	P1-7		P3-3	
8		BRN	P1-8		P3-2	
5		BLK	P1-9		P4-1	
6		YEL	P1-10		P4-4	
7		VIO	P1-11		P4-3	
8	18	BRN	P1-12		P4-2	4
						5.00IN ± .06

LEGEND	
NUMBER	"X" DIM
7016887-0E	5.0 ± .5IN

NOTES

1. WIRES TERMINATING TO P1 MUST NOT BE STRIPPED.
2. PLACE COVER, ITEM #2, OVER CONN HOUSING, ITEM #3, AFTER WIRES HAVE BEEN TERMINATED.
3. STRIP WIRES ONLY ON P2, P3, P4 ENDS .187 BEFORE CRIMPING CONTACTS.
4. ITEM #4 CAN BE SUBSTITUTED BY P/N 12-09379-00 FOR MACHINE CRIMPING.



1	TIE, CABLE SSTI-M	9007031-00	10
1	LABEL, CABLE IDENTIFICATION	9009532-00	9
15"	WIRE, 18 AWG, BRN, UL 1430	9107786-11	8
15"	WIRE, 18 AWG, VIO, UL 1430	9107786-77	7
15"	WIRE, 18 AWG, YEL, UL 1430	9107786-47	6
5"	WIRE, 18 AWG, BLK, UL 1430	9107786-00	5
12	SKT, MATE-N-LOK, 20-14 AWG	1209379-D1	4
3	CONN, 6 PIN MATE-N-LOK	1209350-D6	3
1	COVER, 12 PIN MTR CONN	1216650-00	2
1	CONN, HOUSING 12 POS MTR	1216651-00	1

QUANTITY & VARIATION		DESCRIPTION		DWG. PART NO.	ITEM NO.
THIRD ANGLE PROJECTION		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
REMOVE BURRS AND BREAK SHARP CORNERS		ANGLES 20° 30°	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES	
DO NOT SCALE DWG		SURFACE QUALITY	IN	OVER 0 TO 1.2	OVER 1.2 TO 4.0
MATERIAL		FINISH	FINISH	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0
FINISH		FINISH	FINISH	OVER 40.0 TO 100.0	OVER 100.0 TO 1000.0
NEXT HIGHER ASSY.		FIRST USED ON			
SCALE		TITLE			
SHEET		CABLE JUMPER ASSEMBLY			
OF		SIZE CODE NUMBER REV.			
DIST.		D AD 7016887-0-0 A			

REV. CODE
D AD 7016887-0-0 A

BLANK